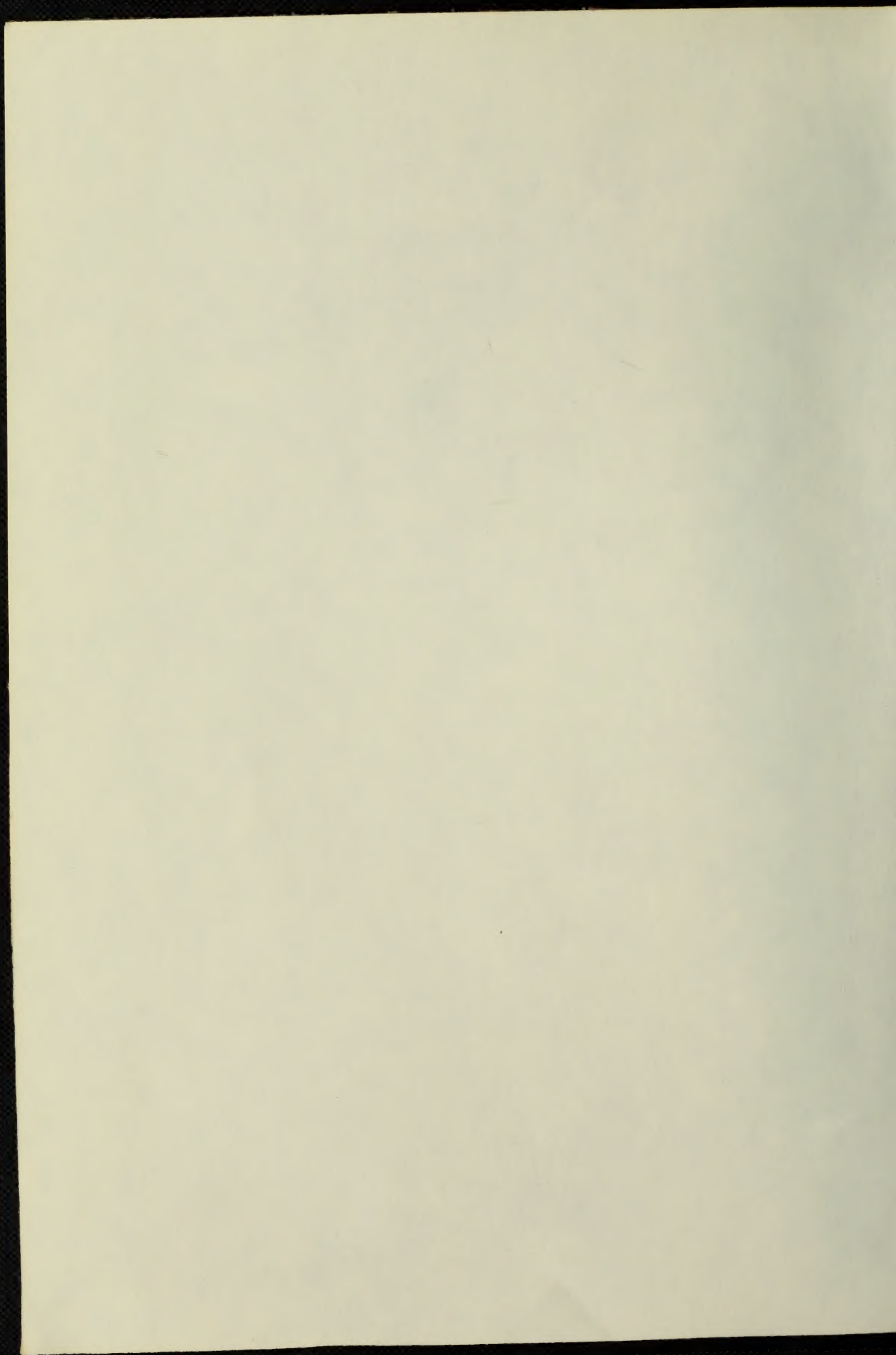


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ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which article appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

DISTRIBUTION

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ENDOCRINOLOGY INDEX

**National Institute of Arthritis,
Metabolism, and Digestive Diseases**

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981.

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Abnormalities of tooth development in pituitary dwarfism. Kosowicz J, et al. *Oral Surg* 44(6):853-63, Dec 77

RADIOGRAPHY

Abnormalities of tooth development in pituitary dwarfism. Kosowicz J, et al. *Oral Surg* 44(6):853-63, Dec 77

VETERINARY

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EMPTY SELLA SYNDROME

COMPLICATIONS

Intrasellar subarachnoid herniation or empty sella associated with galactorrhea. Bryner JR, et al. *Obstet Gynecol* 51(2):198-203, Feb 78

PHYSIOPATHOLOGY

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GIGANTISM

BLOOD

Hepatic metastases in a patient with gigantism [clinical conference] *Am J Med* 64(2):327-35, Feb 78
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DIAGNOSIS

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DRUG THERAPY

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Dec 77

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ETIOLOGY

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HYPERPITUITARISM

COMPLICATIONS

[Pathogenesis of diabetic retinopathy and its treatment] Margolis MT, et al. *Oftalmol Zh* 32(8):618-21, 14 Dec 77 (42 ref.) (Rus)

THERAPY

[Pathogenesis of diabetic retinopathy and its treatment] Margolis MT, et al. *Oftalmol Zh* 32(8):618-21, 14 Dec 77 (42 ref.) (Rus)

HYPOPITUITARISM

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BLOOD

LH-releasing hormone in differentiating primary from secondary hypopituitarism. Kadrnka Lovrenčić M, et al. *Acta Med Jugosl* 31(5):445-56, 1977
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Newer understanding of human hypothalamic-pituitary disease obtained through the use of synthetic hypothalamic hormones. Frohman LA. *Res Publ Assoc Res Nerv Ment Dis* 56:387-413, 1978

DRUG THERAPY

Dental and skeletal ages in hypopituitary patients. Edler RJ. *J Dent Res* 56(10):1145-53, Oct 77
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ETIOLOGY

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HYPOPITUITARISM

METABOLISM

L-tryptophan and neuroendocrine regulation in neurologic patients: hormone responses to L-tryptophan loading in patients with hypothalamic lesions. Hyypä MT, et al. *Psychoneuroendocrinology* 2(4):349-57, Oct 77

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PHYSIOPATHOLOGY

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INFANTILISM

DIAGNOSIS

[Anthropometric characteristics of psychophysical infantilism] Bacherikov NE, et al. *Vrach Delo* (1):118-22, Jan 78 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Suprahypophyseal dysfunction in a patient with asexual ateleiosis. Medina M, et al. *Acta Endocrinol (Kbh)* 87(3):449-55, Mar 78

PSYCHOLOGY

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NELSON SYNDROME

ETIOLOGY

[The postadrenalectomy syndrome (Nelson syndrome)] Larsen IF, et al. *Tidsskr Nor Lægeforen* 98(4):193-4, 10 Feb 78 (Eng. Abstr.) (Nor)

RADIOTHERAPY

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SURGERY

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PITUITARY DISEASES

COMPLICATIONS

Pituitary apoplexy, therapeutic assessment. Weiss MH, et al. *Bull Los Angeles Neurol Soc* 41(4):143-7, Oct 76

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PITUITARY

ETIOLOGY

Haemorrhage into the anterior pituitary during pregnancy after induction of ovulation with clomiphene. Nagulesparan M, et al. *Br J Obstet Gynaecol* 85(2):153-5, Feb 78

PHYSIOPATHOLOGY

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Pituitary apoplexy, therapeutic assessment. Weiss MH, et al. *Bull Los Angeles Neurol Soc* 41(4):143-7, Oct 76

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BLOOD

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Adrenal androgens in patients with chronic marked elevation of prolactin. Parker LN, et al. *Clin Endocrinol (Oxf)* 8(1):1-5, Jan 78

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CLASSIFICATION

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Pituitary hyperthyroidism. Case report and review of the literature. Tolis G, et al. *Am J Med* 64(1):177-81, Jan 78
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Cushing's disease. Selective trans-sphenoidal resection of pituitary microadenomas. Tyrrell JB, et al. *N Engl J Med* 298(14):753-8, 6 Apr 78
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[A case of prolactin secreting pituitary adenoma with huge parasellar and temporal extension] Mori S, et al. *No Shinkai Geka* 5(13):1385-93, Dec 77 (Eng. Abstr.) (Jpn)

DIAGNOSIS

- Prolactin responsiveness to TRH in amenorrheic women with and without galactorrhea. MacGregor C, et al. *Acta Obstet Gynecol Scand* 56(4):333-6, 1977
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- Pituitary pseudotumor. Avman N, et al. *Surg Neurol* 9(2):107-11, Feb 78
- [Acute pituitary failure as the presentation of a prolactin cell adenoma during a pregnancy made possible by bromocriptine (author's transl)] Linquette M, et al. *Nouv Presse Med* 6(38):3525-L, 3531, 12 Nov 77 (Eng. Abstr.) (Fre)

DRUG THERAPY

- [Clinical experience with CB-154 in cases of pituitary adenoma] Sanada S, et al. *Horumon To Rinsho* 25(12):1299-300, Dec 77 (Jpn)

ETIOLOGY

- Transitional cell tumor of the pituitary gland developing from a Rathke's cleft cyst. Kepes JJ. *Cancer* 41(1):337-43, Jan 78
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- Coordinate synthesis of corticotropins and endorphins by mouse pituitary tumor cells. Mains RE, et al. *J Biol Chem* 253(3):651-5, 10 Feb 78

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- Parasellar choristoma. Sholkoff SD, et al. *AJR* 128(6):1051-2, Jun 77
- Pituitary hyperthyroidism. Case report and review of the literature. Tolis G, et al. *Am J Med* 64(1):177-81, Jan 78
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- Surgical aspects of the anatomy of the sphenoidal sinuses and the sella turcica. Kinnman J. *J Anat* 124(3):541-53, Dec 77
- Cushing's disease. Selective trans-sphenoidal resection of pituitary microadenomas. Tyrrell JB, et al. *N Engl J Med* 298(14):753-8, 6 Apr 78
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- [A case of prolactin secreting pituitary adenoma with huge parasellar and temporal extension] Mori S, et al. *No Shinkai Geka* 5(13):1385-93, Dec 77 (Eng. Abstr.) (Jpn)

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- Sexual function in males with pituitary tumors. Lundberg PO, et al. *Fertil Steril* 29(2):175-9, Feb 78
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- Surgical aspects of the anatomy of the sphenoidal sinuses and the sella turcica. Kinnman J. *J Anat* 124(3):541-53, Dec 77
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THERAPY

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SHEEHAN'S SYNDROME

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- [Necrosis of the anterior pituitary gland in the postpartum period in Senegal] Sankale M, et al. *Afr J Med Med Sci* 6(1):21-5, Mar 77 (Fre)

DIAGNOSIS

- [Necrosis of the anterior pituitary gland in the postpartum period in Senegal] Sankale M, et al. *Afr J Med Med Sci* 6(1):21-5, Mar 77 (Fre)

SHEEHAN'S SYNDROME

PITUITARY

THERAPY

[Necrosis of the anterior pituitary gland in the postpartum period in Senegal] Sankale M, et al.
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SIMMONDS' DISEASE

PATHOLOGY

[Autopsy case of Simmonds' disease] Nagahana H, et al.
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PITUITARY

III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

ARGININE VASOPRESSIN

ADMINISTRATION & DOSAGE

Intranasal application of D.D.A.V.P. in severe haemophilia [letter] Sutor AH, et al. *Lancet* 1(8061):446, 25 Feb 78

ANALOGS & DERIVATIVES

Neurogenic diabetes insipidus: management with dDAVP (1-desamino-8-D arginine vasopressin). Cobb WE, et al. *Ann Intern Med* 88(2):183-8, Feb 78

Intranasal application of D.D.A.V.P. in severe haemophilia [letter] Sutor AH, et al. *Lancet* 1(8061):446, 25 Feb 78

ANTAGONISTS & INHIBITORS

[1-(beta-mercapto-beta,beta-cyclopentamethylenepropionyl)-4-valine, 8-D-arginine] vasopressin, a potent and selective inhibitor of the vasopressor response to arginine-vasopressin. Lowbridge J, et al. *J Med Chem* 21(3):313-5, Mar 78

BLOOD

Effects of prolonged vasopressin treatment in Brattleboro rats with diabetes insipidus. Möhring J, et al. *Am J Physiol* 234(2):F106-11, Feb 78

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Neurogenic diabetes insipidus: management with dDAVP (1-desamino-8-D arginine vasopressin). Cobb WE, et al. *Ann Intern Med* 88(2):183-8, Feb 78

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URINE

A comparative study on bioassay and radioimmunoassay of vasopressin in human urine. Christensen JD, et al. *Acta Endocrinol (Kbh)* 87(2):283-91, Feb 78

CORTICOTROPIN

Investigations on the turnover of adrenocortical mitochondria. XI. Effects of dexamethasone on the half-life of mitochondria from the rat zona fasciculata. Mazzocchi G, et al. *Beitr Pathol* 161(3):221-9, Nov 77

Corticotropin-like peptides in central nerves and in endocrine cells of gut and pancreas. Larsson L-I. *Lancet*

2(8052-8053):1321-3, 24-31 Dec 77

ANALOGS & DERIVATIVES

Peptides and the conversion of [3H]tyrosine to catecholamines: effects of ACTH-analogs, melanocyte-stimulating hormones and lysine-vasopressin. Iuvone PM, et al. *Brain Res* 139(1):131-9, 6 Jan 78

ACTH and ACTH4-10 modification of neophobia and taste aversion responses in the rat. Smotherman WP, et al. *J Comp Physiol Psychol* 92(1):22-33, Feb 78

Development of fetal pituitary-adrenal function. Challis JR, et al. *J Steroid Biochem* 8(5):471-8, May 77

[Enhancement of compensatory renal hypertrophy by beta-1-24 corticotropin in the rat] Reville P, et al. *C R Soc Biol (Paris)* 171(5):1122-8, 1977 (Eng. Abstr.) (Fre)

[Moschowitz's disease: efficacy of anti-platelet aggregation agents] Gorin NC, et al. *Nouv Presse Med* 6(42):3959-61, 10 Dec 77 (Eng. Abstr.) (Fre)

ANTAGONISTS & INHIBITORS

Studies on the role of ACTH and of 5-HT in anxiety, using an animal model. File SE, et al. *J Pharm Pharmacol* 30(2):105-10, Feb 78

BIOSYNTHESIS

Characterization of a common precursor to corticotropin and beta-lipotropin: identification of beta-lipotropin peptides and their arrangement relative to corticotropin in the precursor synthesized in a cell-free system. Roberts JL, et al. *Proc Natl Acad Sci USA* 74(12):5300-4, Dec 77

[Control mechanisms of gene expression of an enzyme and a polypeptide hormone involved in the lipid metabolism in higher animals (author's transl)] Nakanishi S. *Jinru Idengaku Zasshi* 22(2-3):94-101, Sep 77 (Eng. Abstr.) (Jpn)

BLOOD

Suprahypophyseal dysfunction in a patient with asexual ateleiosis. Medina M, et al. *Acta Endocrinol (Kbh)* 87(3):449-55, Mar 78

The effect of cyproterone acetate on the pituitary-adrenal axis in hirsute women. Smals AG, et al. *Acta Endocrinol (Kbh)* 87(2):352-8, Feb 78

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Synthesis of proteins in the placenta. Vilcek CA. *Gynecol Invest* 8(3-4):145-61, 1977 (83 ref.)

Developmental aspects of the pituitary-adrenal axis response to hemorrhagic stress in lamb fetuses in utero. Rose JC, et al. *J Clin Invest* 61(2):424-32, Feb 78

Development of fetal pituitary-adrenal function. Challis JR, et al. *J Steroid Biochem* 8(5):471-8, May 77

Simultaneous radioimmunoassay of plasma aldosterone, corticosterone, 11-deoxycorticosterone, progesterone, 17-hydroxyprogesterone, 11-deoxycortisol, cortisol and cortisone. Sippell WG, et al. *J Steroid Biochem* 9(1):63-74, Jan 78

Human plasma immunoreactive beta-lipotropin: correlation with basal and stimulated plasma ACTH concentrations. Krieger DT, et al. *Life Sci* 21(12):1771-7, 15 Dec 77

Cushing's disease. Selective trans-sphenoidal resection of pituitary microadenomas. Tyrrell JB, et al. *N Engl J Med* 298(14):753-8, 6 Apr 78

Central catecholamine and peripheral noradrenaline depletion: effects on one-way trace-conditioning. Oei TP. *Pharmacol Biochem Behav* 8(1):25-9, Jan 78

The psychobiology of premenstrual dysphoria: review of theories and treatments. Steiner M, et al. *Psychoneuroendocrinology* 2(4):321-35, Oct 77 (77 ref.)

Laboratory testing for cancer. Rees LH. *Recent Results Cancer Res* (62):39-50, 1977

[Effect of cyproheptadine treatment on the human circadian rhythm of ACTH and plasma cortisol] Bertolini S, et al. *Boll Soc Ital Biol Sper* 53(21):1853-9, 15 Nov 77 (Ita)

CORTICOTROPIN

PITUITARY

- [Pituitary-gonadal system in women (author's transl)] Mori I, et al. *Nippon Naibunpi Gakkai Zasshi* 53(12):1310-20, 20 Dec 77 (Eng. Abstr.) (Jpn)
- [Functional status of the adrenal-pituitary system in primary uterine inertia and during the administration of prostaglandin F2 alpha and oxytocin] Starostina TA, et al. *Akush Ginekol (Mosk)* (11):9-13, Nov 77 (Eng. Abstr.) (Rus)
- [Clinico-experimental study of hormonal changes in penetrating eye injuries] Chvialeva KI, et al. *Oftalmol Zh* 32(8):603-5, 14 Dec 77 (Eng. Abstr.) (Rus)
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CHEMICAL SYNTHESIS

- [Synacten in the treatment of submicroscopic glomerulonephritis in children] Stopczyk K, et al. *Pediatr Pol* 52(12):1391-5, Dec 77 (Eng. Abstr.) (Pol)

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- Plasma pregnenolone and 17-OH-pregnenolone in hirsute amenorrhoeic patients. Lorber DL, et al. *Acta Endocrinol (Kbh)* 87(3):566-76, Mar 78
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THYROID

IV. Thyroid Antagonists and Inhibitors

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METHYLTHIOURACIL

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- [In vivo X-ray fluorescent analysis of iodine concentration in the thyroid (author's transl)] Imamura K, et al. *Radioisotopes* 26(12):858-63, Dec 77 (Eng. Abstr.) (Jpn)

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ADRENAL

I. Physical and Functional Aspects

ADRENAL CORTEX

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- Anaesthetic and surgical technique for bilateral adrenalectomy
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II. Disorders of the Adrenal Glands

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[Endocrine disorders of adrenal origin] Mégevand RP. *Helv Chir Acta* 44(5-6):757-65, Jan 78 (Fre)

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[Endocrine disorders of adrenal origin] Mégevand RP. *Helv Chir Acta* 44(5-6):757-65, Jan 78 (Fre)

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Correlation of alkaline phosphatase staining of cortisol-producing adrenocortical tumors with dexamethasone suppression and ACTH stimulation. Aiba M. *Acta Pathol Jpn* 27(6):877-91, Nov 77

ADRENAL

ADRENAL GLAND

RADIOGRAPHY

- Inferior vena caval involvement by adrenal cortical carcinoma. Cahill PJ, et al. *Urology* 10(6):604-7, Dec 77 [Hormonally inactive adrenocortical carcinoma]
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- Transmission and scanning electron microscopic observations of mouse adrenocortical adenoma cells (Y-1) in non-stimulated and stimulated states. Kawaoi A, et al. *Acta Pathol Jpn* 27(6):841-56, Nov 77

ADRENAL GLAND DISEASES

- [Endocrine disorders of adrenal origin] Mégevand RP. *Helv Chir Acta* 44(5-6):757-65, Jan 78 (Fre)

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- Physiologic and biochemical profile of hypertension for rational clinical management. Sullivan JM. *Adv Intern Med* 23:219-49, 1978 (87 ref.)
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RADIONUCLIDE IMAGING

- Adrenal imaging with radioiodocholesterol. Review of the University of Wisconsin Hospital experience. Kasner JR, et al. *Wis Med J* 76(12):S 152-4, Dec 77

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- Unusual heterozygotes of congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Zachmann M, et al. *Acta Endocrinol (Kbh)* 87(3):557-65, Mar 78
Close genetic linkage between HLA and congenital adrenal hyperplasia (21-hydroxylase deficiency). Dupont B, et al. *Lancet* 2(8052-8053):1309-12, 24-31 Dec 77

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- Skeletal changes after renal transplantation. Rosekrans P. *Radiol Clin (Basel)* 47(1):58-69, 1978

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- Unusual heterozygotes of congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Zachmann M, et al. *Acta Endocrinol (Kbh)* 87(3):557-65, Mar 78
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- Unusual heterozygotes of congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Zachmann M, et al. *Acta Endocrinol (Kbh)* 87(3):557-65, Mar 78
[Function of the gastric mucosa in cortical hyperfunction] Odintsova TA, et al. *Klin Med (Mosk)* 55(11):21-8, Nov 77 (Eng. Abstr.) (Rus)

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- [Migration and differentiation of hematopoietic stem cells depending on the level of endogenous corticoids in the body] Bezin GI, et al. *Probl Gematol Pereliv Krovi*

ADRENAL GLAND

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VETERINARY

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ADRENAL GLAND HYPOFUNCTION

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Adrenocortical suppression in workers manufacturing synthetic glucocorticoids. Newton RW, et al. *Br Med J* 1(6105):73-4, 14 Jan 78
[Motor function of the bile secreting apparatus of the liver in adrenocortical insufficiency] Potapov AA, et al. *Fiziol Zh SSSR* 64(1):90-5, Jan 78 (Eng. Abstr.) (Rus)

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Metastatic carcinoma of the prostate and hypoglycemia. *Am J Med* 63(6):979-90, Dec 77
[Cortisol substitution in adrenal insufficiency (author's transl)] Kley HK, et al. *Dtsch Med Wochenschr* 103(4):155-61, 27 Jan 78 (Eng. Abstr.) (Ger)
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[Motor function of the bile secreting apparatus of the liver in adrenocortical insufficiency] Potapov AA, et al. *Fiziol Zh SSSR* 64(1):90-5, Jan 78 (Eng. Abstr.) (Rus)

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The effect of aldosterone and dexamethasone on the diluting capacity of thick ascending limbs in experimental adrenal insufficiency. Gutsche HU, et al. *Proc Eur Dial Transplant Assoc* 14:574-6, 1977
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ADRENAL

(Rus)

ADRENAL GLAND NEOPLASMS

Inferior vena caval involvement by adrenal cortical carcinoma. Cahill PJ, et al. *Urology* 10(6):604-7, Dec 77
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BARTTER'S DISEASE

BARTTER'S DISEASE

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- Primary aldosteronism. Ganguly A.
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III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

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18-HYDROXYCORTICOSTERONE

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HYDROXYPREGNEOLONE

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Steroid biosynthesis by the testes of the dogfish *Scyliorhinus caniculus*. Kime DE. *Gen Comp Endocrinol* 34(1):6-17, Jan 78

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MEDRYSONE

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METHYLPREDNISOLONE

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MINERALOCORTICOIDS

Dihydrocortisol: a potential mineralocorticoid. Marver D, et al. *J Steroid Biochem* 9(1):1-7, Jan 78

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ADRENAL

TRIAMCINOLONE

PHYSIOLOGY

[Level of mucoid substances in the gastric juice of adrenalectomized dogs] Krivova NA, et al. *Fiziol Zh SSSR* 64(1):78-80, Jan 78 (Eng. Abstr.) (Rus)

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PREDNISOLONE

ADMINISTRATION & DOSAGE

Effect of glucocorticoids on gastrin secretion in man. Seino S, et al. *Gut* 19(1):10-3, Jan 78
Correction of human cyclic neutropenia with prednisolone. Wright DG, et al. *N Engl J Med* 298(6):295-300, 9 Feb 78
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Corticosteroid therapy of intrathoracic sarcoidosis stages I and II—results of a controlled clinical trial. Eule H, et al. *Z Erkr Atmungsorgane* 149(1):142-7, Jul 77

ADVERSE EFFECTS

[Complication-free labor in operated-on Cushing's syndrome] Schnapp HJ, et al. *Z Gesamte Inn Med* 32(23):667-9, 1 Dec 77 (Eng. Abstr.) (Ger)

PHARMACODYNAMICS

Effect of glucocorticoids on gastrin secretion in man. Seino S, et al. *Gut* 19(1):10-3, Jan 78
Early appearance and mitotic activity of multinucleated giant cells in mice after combined injection of talc and prednisolone acetate. A model for studying rapid histiocytic polykaryon formation in vivo. Dreher R, et al. *Lab Invest* 38(2):149-56, Feb 78
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THERAPEUTIC USE

Correction of human cyclic neutropenia with prednisolone. Wright DG, et al. *N Engl J Med* 298(6):295-300, 9 Feb 78
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PREDNISOLONE, TOPICAL

Corticosteroid in experimentally induced *Pseudomonas* keratitis: failure of prednisolone to impair the efficacy of tobramycin and carbenicillin therapy. Davis SD, et al. *Arch Ophthalmol* 96(1):126-8, Jan 78

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Corticosteroid in experimentally induced *Pseudomonas* keratitis: failure of prednisolone to impair the efficacy of tobramycin and carbenicillin therapy. Davis SD, et al. *Arch Ophthalmol* 96(1):126-8, Jan 78

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PREDNISONE

ADMINISTRATION & DOSAGE

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PHARMACODYNAMICS

Early appearance and mitotic activity of multinucleated giant cells in mice after combined injection of talc and prednisolone acetate. A model for studying rapid histiocytic polykaryon formation in vivo. Dreher R, et al. *Lab Invest* 38(2):149-56, Feb 78

THERAPEUTIC USE

Treatment of chronic lymphocytic leukemia. Huguley CM Jr. *Cancer Treat Rev* 4(4):261-73, Dec 77 (73 ref.)
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Chronic hepatitis. To treat or not to treat? Czaja AJ, et al. *Med Clin North Am* 62(1):71-85, Jan 78 (56 ref.)

PREGNANETRIOL

URINE

Plasma pregnenolone and 17-OH-pregnenolone in hirsute amenorrhoeic patients. Lorber DL, et al. *Acta Endocrinol (Kbh)* 87(3):566-76, Mar 78
Unusual heterozygotes of congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Zachmann M, et al. *Acta Endocrinol (Kbh)* 87(3):557-65, Mar 78

TETRAHYDROCORTISOL

ANALYSIS

Determination of cortisol, tetrahydrocortisol, tetrahydrocortisone, corticosterone, and aldosterone in human amniotic fluid. Aderjan R, et al. *J Steroid Biochem* 8(5):525-8, May 77

TETRAHYDROCORTISONE

ANALYSIS

Determination of cortisol, tetrahydrocortisol, tetrahydrocortisone, corticosterone, and aldosterone in human amniotic fluid. Aderjan R, et al. *J Steroid Biochem* 8(5):525-8, May 77

URINE

[Changes of urinary metabolites of cortisol in patients with chronic unspecific lung diseases] Shelygina NM, et al. *Vrach Delo* (12):80-2, Dec 77 (Eng. Abstr.) (Rus)

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

Systemic steroid therapy with intramuscularly injected triamcinolone. Arnold HL Jr. *South Med J* 71(2):102-7, Feb 78

THERAPEUTIC USE

Systemic steroid therapy with intramuscularly injected triamcinolone. Arnold HL Jr. *South Med J* 71(2):102-7, Feb 78

TRIAMCINOLONE

ADRENAL

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Systemic steroid therapy with intramuscularly injected triamcinolone. Arnold HL Jr. *South Med J* 71(2):102-7, Feb 78

ADVERSE EFFECTS

Systemic steroid therapy with intramuscularly injected triamcinolone. Arnold HL Jr. *South Med J* 71(2):102-7, Feb 78

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Systemic steroid therapy with intramuscularly injected triamcinolone. Arnold HL Jr. *South Med J* 71(2):102-7, Feb 78

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ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

PHARMACODYNAMICS

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DDD

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V. Adrenal Medulla

ADRENAL MEDULLA

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Evidence for extratumoural storage of catecholamines in pheochromocytoma patients. Hengstmann JH, et al. *Acta Endocrinol (Kbh)* 87(3):589-95, Mar 78
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METABOLISM

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CHROMAFFIN SYSTEM

Pheochromocytoma of the organ of Zukerkandl in a pregnant woman. Sinclair MC, et al. *East Afr Med J* 54(9):510-3, Sep 77

METABOLISM

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ADRENAL

NOREPINEPHRINE

10 Mar 78

DOPA

METABOLISM

[Relationship between the initial state of the sympathico-adrenal regulatory apparatus and the myocardial and adrenal tissue concentrations of dihydroxyphenylalanine and catecholamines in hypoxia] Khitrov KN, et al. *Patol Fiziol Eksp Ter* (6):27-31, Nov-Dec 77 (Eng. Abstr.) (Rus)

DOPAMINE

METABOLISM

deltapH and catecholamine distribution in isolated chromaffin granules. Johnson RG, et al. *J Biol Chem* 253(5):1512-21, 10 Mar 78

EPINEPHRINE

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Changes of adrenal catecholamines and their synthesizing enzymes during ontogenesis and aging in rats. Kvetňansk R, et al. *Mech Ageing Dev* 7(3):209-16, Mar 78

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URINE

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METHYLDOPA HYDRAZINE

PHARMACODYNAMICS

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Temporal differences in the effects of amphetamine on norepinephrine. Lew GM. *Gen Pharmacol* 8(2):109-11, 1977
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BLOOD

Neuronal uptake of endogenous norepinephrine: a determinant of splenic but not renal vascular resistance following hemorrhage. Badder EM, et al. *Surgery* 83(2):214-22, Feb 78

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Product inhibition studies and the reaction sequence of rabbit adrenal norepinephrine N-methyl transferase isozymes. Lee HS, et al. *Arch Biochem Biophys* 185(1):239-50, 15 Jan 78
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Release of (3H)norepinephrine from a clonal line of pheochromocytoma cells (PC12) by nicotinic cholinergic stimulation. Greene LA, et al. *Brain Res* 138(3):521-8, 23 Dec 77

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PHEOCHROMOCYTOMA

ADRENAL

PHEOCHROMOCYTOMA

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- Calcitonin in clinical medicine. Deftos LJ.
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- Familial pheochromocytoma with von Hippel's disease in one sister and ectopic adrenal cortex in the kidney in another. Mendelow AD, et al. *Br J Surg* 65(2):138-40, Feb 78
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- Labetalol and urinary catecholamines [letter] Chapman BP, et al. *Br Med J* 1(6109):364, 11 Feb 78
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- Nursing care study. Pheochromocytoma. Little E. *Nurs Mirror* 146(8):21-3, 23 Feb 78

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- Pheochromocytoma and ipsilateral renal carcinoma diagnosed by angiography. Nance EP Jr, et al. *AJR* 130(3):553-5, Mar 78
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- APUD cells and the apudomas. A concept relevant to anaesthesia and endocrinology. Whitwam JG. *Anaesthesia* 32(9):879-88, Oct 77 (87 ref.)
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- [Localization diagnosis of endocrine-active adrenal-gland tumors] Mischke W. *Dtsch Med Wochenschr* 102(51):1888-90, 23 Dec 77 (23 ref.) (Ger)

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- Localization of a pheochromocytoma situated in the pelvis by radionuclide scanning. Vellar ID, et al. *Br J Surg* 65(1):25-6, Jan 78
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- Treatment of malignant pheochromocytoma. Drasin H. *West J Med* 128(2):106-11, Feb 78

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- Hemorrhage into a pheochromocytoma. Jacobs LM, et al. *JAMA* 239(12):1156, 20 Mar 78
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- Evidence for extratumoural storage of catecholamines in pheochromocytoma patients. Hengstmann JH, et al. *Acta Endocrinol (Kbh)* 87(3):589-95, Mar 78
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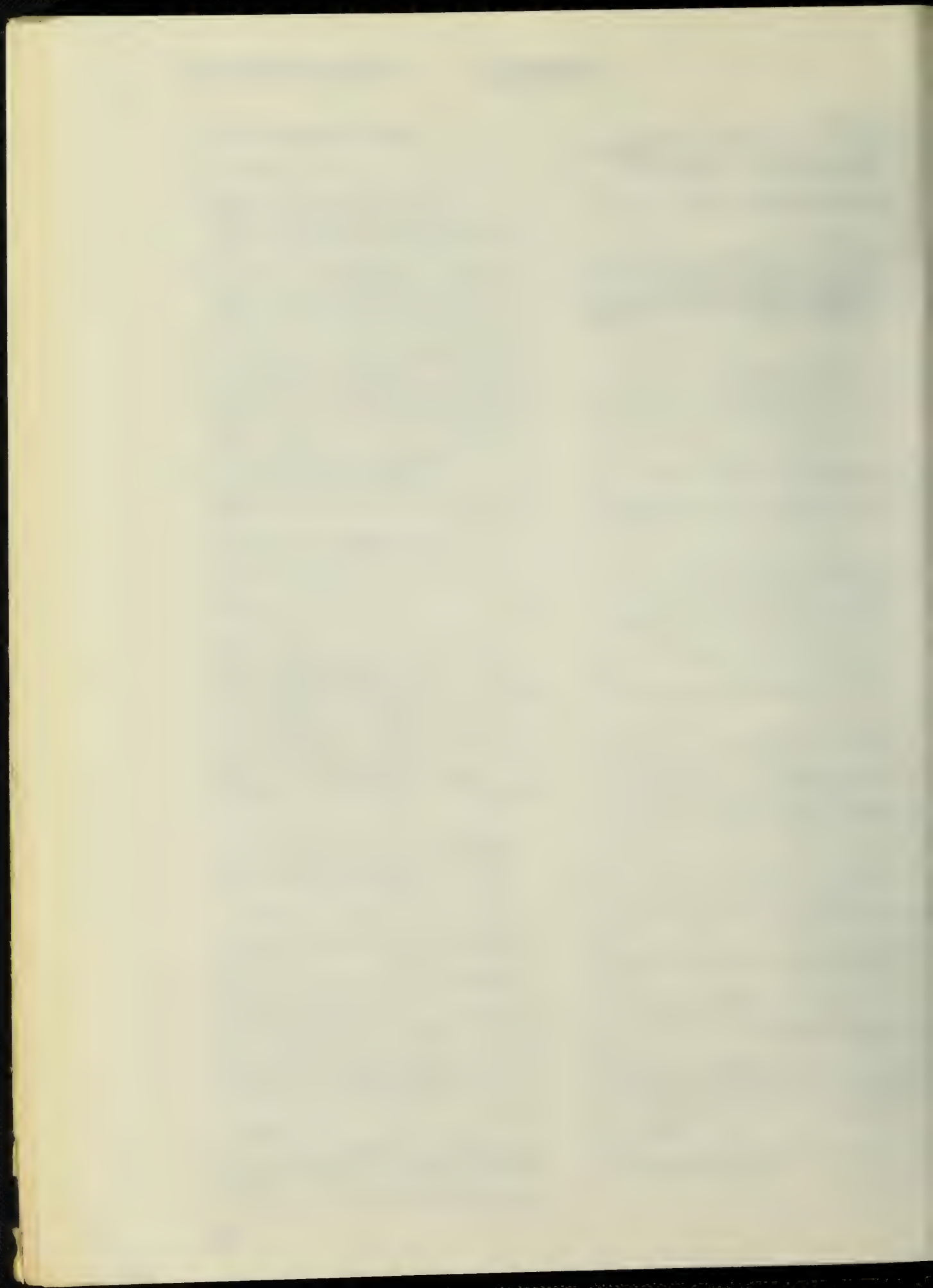
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PLACENTA DISORDERS

PLACENTA

PLACENTA DISORDERS

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III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs

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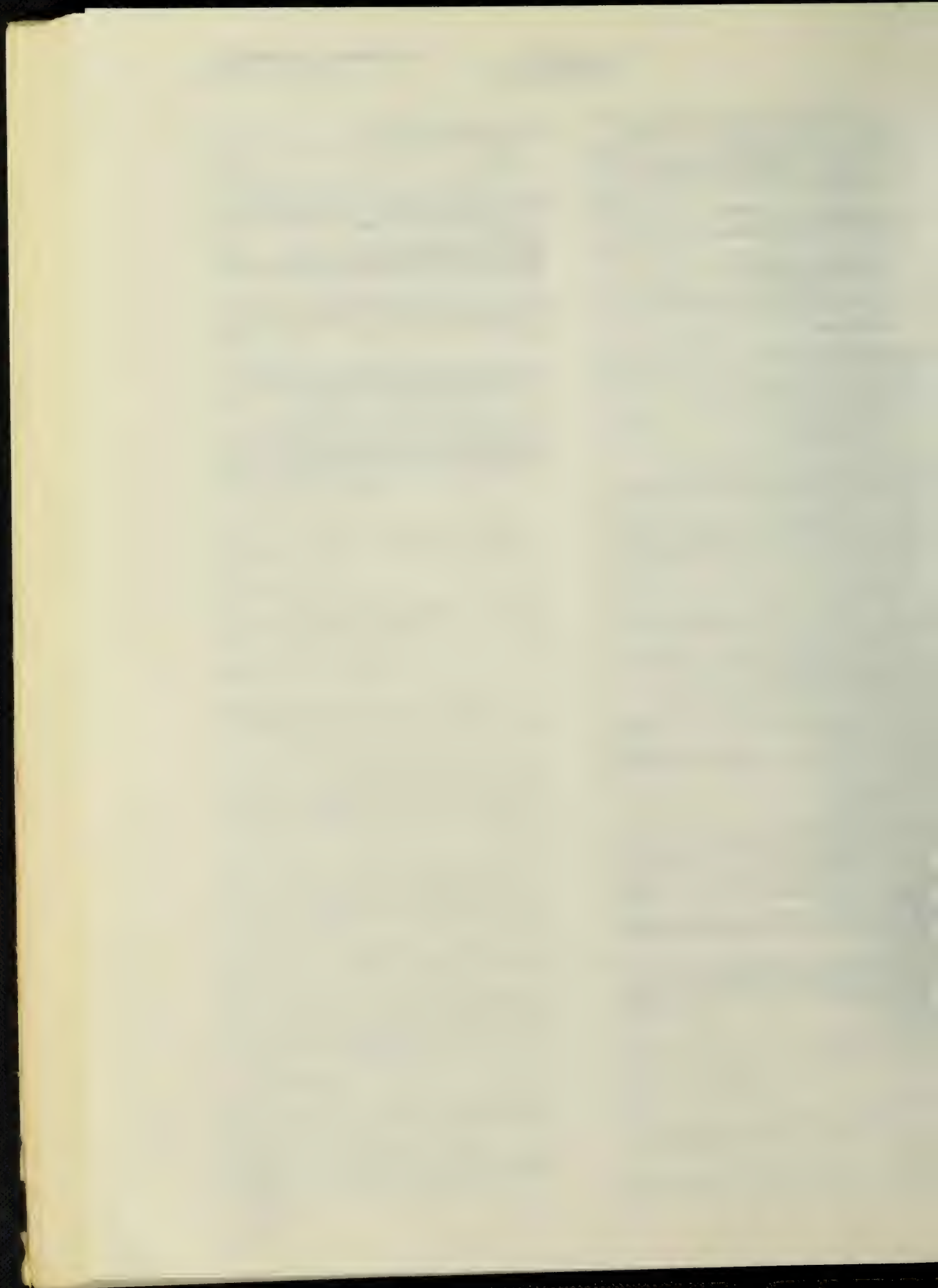
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PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

Phosphate transport in the proximal convolution of the rat kidney. I. Tubular heterogeneity, effect of parathyroid hormone in acute and chronic parathyroidectomized animals and effect of phosphate diet. Ullrich KJ, et al. *Pfluegers Arch* 372(3):269-74, 1977

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ANATOMY & HISTOLOGY

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DRUG EFFECTS

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METABOLISM

- Autoradiographic localization of sex steroid-concentrating cells in the brain of the teleost *Macropodus opercularis*

HYPOTHALAMUS

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 [Responses of neurons of hypothalamic nuclei to stimulation of the frontobasal regions of the neocortex] Kazakov VN, et al. *Neirofiziologiya* 10(1):44-53, 1978 (Eng. Abstr.) (Rus)

HYPOTHALAMUS, POSTERIOR

METABOLISM

- Autoradiographic localization of sex steroid-concentrating cells in the brain of the teleost *Macropodus opercularis* (Osteichthyes: Belontiidae). Davis RE, et al. *Gen Comp Endocrinol* 33(4):496-505, Dec 77
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PHYSIOLOGY

- Area in the rat brain producing rhythmical slow activity after chemical stimulation. Mehl LW, et al. *Appl Neurophysiol* 39(1):1-10, 1976-77
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DRUG EFFECTS

- Chemosensitivity of hypophysiotropic neurons to the microelectrophoresis of biogenic amines. Moss RL, et al. *Brain Res* 139(1):141-52, 6 Jan 78

METABOLISM

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 Extrahypothalamic and phylogenetic distribution of hypothalamic peptides. Jackson IM. *Res Publ Assoc Res Nerv Ment Dis* 56:217-31, 1978

PHYSIOLOGY

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SECRETION

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ULTRASTRUCTURE

Ipsilateral diminution of CRF-granules after unilateral hypothalamic lesions. Bock R, et al. *Cell Tissue Res* 185(2):215-29, 13 Dec 77

NEUROSECRETORY SYSTEMS

ANALYSIS

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CYTOLOGY

The hypothalamo-hypophyseal system in acipenseridae. VII. The functional morphology of the peptidergic neurosecretory cells in the preoptic nucleus of the sturgeon, *Acipenser gildenstädti* Brandt. A quantitative study. Polenov AL, et al. *Cell Tissue Res* 186(3):559-70, 31 Jan 78

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[Hyperplasias and tumours of the disseminated endocrine (paracrine) helle zellen Feyrter's of the gut with special regard of amphicrine cell proliferations (author's transl)] Ratzenhofer M. *Verh Dtsch Ges Pathol* 61:7-24, 1977 (75 ref.) (Eng. Abstr.) (Ger)

METABOLISM

Seasonal histochemical studies on the B cells of the thoracic ganglion of the freshwater crab, *Potamon magnum* magnum (Petzman). Rashan LJ, et al. *Cell Mol Biol* 22(1):131-45, 1977

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The diffuse endocrine (paracrine) system: Feyrter's concept and its modern history. Pearse AG. *Verh Dtsch Ges Pathol* 61:2-6, 1977

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Reproductive physiology of *Glossina*. Tobe SS. *Annu Rev Entomol* 23:283-307, 1978 (115 ref.)

The role of the subfornical organ in drinking induced by angiotensin in the Japanese quail, *Coturnix coturnix japonica*. Takei Y. *Cell Tissue Res* 185(2):175-81, 13 Dec 77

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PINEAL BODY

The degree of calcification and the weight of pineal glands in Ugandan Africans. Poltera AA, et al. *Afr J Med Med Sci* 5(2):160-74, Jun 76

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ANALYSIS

Circadian rhythms in blinded rats: correlation between pineal and activity cycles. Pohl CR, et al. *Am J Physiol* 234(3):R110-4, Mar 78

Immunohistochemical demonstration of S-100 protein and GFA protein in interstitial cells of rat pineal gland. Møller M, et al. *Brain Res* 140(1):1-13, 20 Jan 78

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ANATOMY & HISTOLOGY

The pineal gland: a review of the biochemistry, physiology and pharmacological potential of melatonin and other pineal substances. Shaw KM. *Adv Drug Res* 11:75-96, 1977 (63 ref.)

[Studies on the orthology of epiphysis cerebri in cattle (*Bos taurus* var. *domesticus* L.)] Gutte G, et al. *Arch Exp Veterinaarmed* 31(5):761-70, 1977 (Eng. Abstr.) (Ger)

CYTOLOGY

Immunohistochemical demonstration of S-100 protein and GFA protein in interstitial cells of rat pineal gland. Møller M, et al. *Brain Res* 140(1):1-13, 20 Jan 78

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- Synthesis of RNA in the pineal gland during N-acetyltransferase induction. The effects of actinomycin D, alpha-amanitin and cordycepin. Morrissey JJ, et al. *Biochem Pharmacol* 27(4):557-62, 15 Feb 78
- Regional in vitro uptake of a synthetic 3H-labeled-melanin into rat brain. Porter JR, et al. *Brain Res Bull* 2(6):401-4, Nov-Dec 77

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- On the presence of melatonin in pineal glands and plasma of foetal sheep. Kennaway DJ, et al. *J Steroid Biochem* 8(5):559-63, May 77

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- A circadian rhythm in dark induction of rat pineal serotonin: coenzyme A: N-acetyltransferase activity. Alphas L, et al. *Brain Res* 139(2):374-7, 13 Jan 78
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- Pineal-induced alterations in reproductive function and pituitary prolactin in the female rat: the effects of bilateral superior cervical ganglionectomy and nervi conarii transection. Blask DE, et al. *J Neurosci Res* 3(2):127-33, 1977

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- The pineal gland: a review of the biochemistry, physiology and pharmacological potential of melatonin and other pineal substances. Shaw KM. *Adv Drug Res* 11:75-96, 1977 (63 ref.)
- Synthesis of RNA in the pineal gland during N-acetyltransferase induction. The effects of actinomycin D, alpha-amanitin and cordycepin. Morrissey JJ, et al. *Biochem Pharmacol* 27(4):557-62, 15 Feb 78
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PATHOLOGY

- The degree of calcification and the weight of pineal glands in Ugandan Africans. Poltera AA, et al. *Afr J Med Med Sci* 5(2):160-74, Jun 76
- Forebrain in human anencephaly. Chaurasia BD. *Anat Anz* 142(5):471-8, 1977

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- The effect of melatonin and corpus pineale extract on serum electrolytes in the rat. Csaba G, et al. *Acta Biol Acad Sci Hung* 28(1):143-4, 1977
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- Circadian rhythms in blinded rats: correlation between pineal and activity cycles. Pohl CR, et al. *Am J Physiol*

234(3):R110-4, Mar 78

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- Gonadal function in underfed rats: I. Effect of pineal gland and constant light on maturation and fecundity. Walker RF, et al. *Biol Reprod* 17(5):623-9, Dec 77
- Gonadotrophin concentrations during growth and maturation in domestic turkeys. Godden PM, et al. *Br Poult Sci* 18(6):875-85, Nov 77
- A comparison of ovarian recrudescence in the catfish, *Mystus tengara* (Ham.), exposed to short photoperiods, to long photoperiods, and to melatonin. Saxena PK, et al. *Gen Comp Endocrinol* 33(4):506-11, Dec 77
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- Retardation of sexual development in pinealectomized Single Comb White Leghorn cockerels. Cogburn LA, et al. *Poult Sci* 56(3):876-82, May 77
- The pineal gland: a model of neuroendocrine regulation. Klein DC. *Res Publ Assoc Res Nerv Ment Dis* 56:303-27, 1978

PHYSIOPATHOLOGY

- [Role of melatonin in the pathogenesis of dysfunctional uterine bleeding] Grishchenko VI, et al. *Akush Ginekol (Mosk)* (12):32-4, Dec 77 (Eng. Abstr.) (Rus)

RADIOGRAPHY

- The degree of calcification and the weight of pineal glands in Ugandan Africans. Poltera AA, et al. *Afr J Med Med Sci* 5(2):160-74, Jun 76
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- Utilization of the convolution integral to calculate rates of melatonin secretion into blood and CSF of sheep. Rollag MD, et al. *ISA Trans* 16(4):91-6, 1977
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SURGERY

- Retardation of sexual development in pinealectomized Single Comb White Leghorn cockerels. Cogburn LA, et al. *Poult Sci* 56(3):876-82, May 77

TRANSPLANTATION

- Innervation of peripheral tissue grafts by locus coeruleus in oculo: only partial correspondence with degree of sympathetic innervation. Seiger A, et al. *Brain Res* 139(2):233-47, 13 Jan 78

ULTRASTRUCTURE

- A pharmacological and autoradiographic study on the ultrastructural localization of indoleamine synthesis in the rabbit pineal gland. Romijn HJ, et al. *Cell Tissue Res* 185(2):199-214, 13 Dec 77
- The outer segments of photoreceptive pinealocytes in the pineal organ of the fura, *Carassius gibelio langsdorfi*. A scanning electron microscopic study. Ueck M, et al. *Cell Tissue Res* 186(2):259-68, 17 Jan 78
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NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

AMYGDALOID BODY

INJURIES

[Effects of electrothermocoagulation of the amygdaloid nuclei on the cellular multiplication in the epithelium of the small intestinal lymph nodes] Bindoni M, et al.
Boll Soc Ital Biol Sper 53(15):1279-83, 15 Aug 77 (Ita)

PINEALOMA

COMPLICATIONS

Pathognomonic aspect of germinoma on CT scan. Dupont MG, et al. *Neuroradiology* 14(4):209-11, 31 Dec 77

PATHOLOGY

The pineal gland: a review of the biochemistry, physiology and pharmacological potential of melatonin and other pineal substances. Shaw KM. *Adv Drug Res* 11:75-96, 1977 (63 ref.)

Pathognomonic aspect of germinoma on CT scan. Dupont MG, et al. *Neuroradiology* 14(4):209-11, 31 Dec 77

RADIOGRAPHY

Pathognomonic aspect of germinoma on CT scan. Dupont MG, et al. *Neuroradiology* 14(4):209-11, 31 Dec 77

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[Tolerance of ligation and of aseptic thrombosis of deep cerebral veins in man. Apropos of 4 cases] Caron JP, et al. *Ann Med Interne (Paris)* 128(12):899-906, Dec 77 (Eng. Abstr.) (Fre)

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING HORMONE

Ipsilateral diminution of CRF-granules after unilateral hypothalamic lesions. Bock R, et al. *Cell Tissue Res* 185(2):215-29, 13 Dec 77

ANTAGONISTS & INHIBITORS

Effect of cordycepin on CRF stimulation and steroid inhibition of ACTH secretion by rat pituitary cells. Brattin WJ, et al. *Mol Cell Endocrinol* 9(3):279-89, Jan 78

METABOLISM

Site of fast, rate-sensitive feedback inhibition of adrenocorticotropin secretion during stress. Kaneko M, et al. *Am J Physiol* 234(1):R46-51, Jan 78

SECRETION

The Brattleboro rat with hereditary hypothalamic diabetes insipidus. Laycock JF. *Gen Pharmacol* 8(5-6):297-302, 1977 (32 ref.)

Influence of substance P on hypothalamo-pituitary-adrenocortical activity in the rat. Jones MT, et al. *J Endocrinol* 76(1):183-4, Jan 78

LH-FSH RELEASING HORMONE

CIDNP in tyrosyl protons of luteinizing hormone. Muszkat KA, et al. *Nature* 271(5646):685-6, 16 Feb 78

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PITUITARY HORMONE RELEASE INHIBITING HORMONES

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PITUITARY HORMONE RELEASING HORMONES

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The occurrence of somatostatin-like immunoreactivity in the vagal nerves. Uvnäs-Wallensten K, et al.
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Elevated corticosteroids as a possible cause of abnormal neuroendocrine function in depressive illness. Kendler KS, et al. *Commun Psychopharmacol* 1(3):183-94, 1977 (54 ref.)

OVARY

IMMUNOLOGY

[The ovary and the immunity system] *Cesk Gynecol* 42(10):748-66, Dec 77 (118 ref.) (Cze)

PINEAL BODY

PHYSIOLOGY

The pineal gland: a review of the biochemistry, physiology and pharmacological potential of melatonin and other pineal substances. Shaw KM. *Adv Drug Res* 11:75-96, 1977 (63 ref.)

PITUITARY GLAND, ANTERIOR

CYTOLOGY

Carbonyl compound-induced fluorescence of biogenic monoamines in the endocrine cells of the hypophysis. Partanen S. *Prog Histochem Cytochem* 10(3):1-45, 1978 (156 ref.)

SECRETION

Chronobiology of growth hormone secretion. Quabbe HJ. *Chronobiologia* 4(3):217-46, Jul-Sep 77 (194 ref.)
[Neurotransmission in the hypothalamo-hypophyseal system and its role in the control of adenohipophysis secretion] Pawlikowski M, et al. *Endokrynol Pol* 28(6):461-77, Nov-Dec 77 (91 ref.) (Pol)

PITUITARY HORMONES

PHYSIOLOGY

Hormonal interactions in regulation of androgen secretion. Bartke A, et al. *Biol Reprod* 18(1):44-54, Feb 78 (118 ref.)

PITUITARY HORMONES, ANTERIOR

SECRETION

Endocrine profile of ergot alkaloids. Muller EE, et al. *Life Sci* 21(11):1545-58, 1 Dec 77 (104 ref.)

PITUITARY NEOPLASMS

PATHOLOGY

Pituitary adenomas. Kovacs K, et al. *Pathol Annu* 12(Pt. 2):341-82, 1977 (204 ref.)

REVIEW SECTION

PLACENTA

ENZYMOLGY

Some new developments in the knowledge of human placental estradiol-17 β dehydrogenase. Pons M, et al. *J Steroid Biochem* 8(5):345-58, May 77 (42 ref.)

METABOLISM

Measurement of changes in the constituents of nucleic acids (total DNA and RNA) in the placenta during the course of pregnancy. Hayashi TT. *Gynecol Invest* 8(3-4):183-94, 1977 (63 ref.)

Synthesis of proteins in the placenta. Villee CA. *Gynecol Invest* 8(3-4):145-61, 1977 (83 ref.)

Placental steroid hormones. Schubert K, et al. *J Steroid Biochem* 8(5):359-62, May 77 (61 ref.)

PHYSIOLOGY

Structure and biosynthesis of human placental peptide hormones. Chatterjee M, et al. *Vitam Horm* 35:149-208, 1977 (253 ref.)

PLACENTAL LACTOGEN

BIOSYNTHESIS

Role of nucleic acids in the regulation of human placental lactogen synthesis. Gussek DJ. *Gynecol Invest* 8(3-4):162-82, 1977 (59 ref.)

Structure and biosynthesis of human placental peptide hormones. Chatterjee M, et al. *Vitam Horm* 35:149-208, 1977 (253 ref.)

BLOOD

[A critical analysis of the present state of recognizing the fetal hazard in pregnancy, via hormonal determinations (author's transl)] Lang N, et al. *Z Geburtshilfe Perinatol* 181(5):303-20, Oct 77 (68 ref.) (Eng. Abstr.) (Ger)

[Hormonal admixtures in the immunoglobulin and albumin preparations] Pozina IM, et al. *Zh Mikrobiol Epidemiol Immunobiol* (1):13-8, Jan 78 (63 ref.) (Rus)

PHYSIOLOGY

The role of lactogenic hormones in the pregnant woman and the fetus. Josimovich JB, et al. *Am J Obstet Gynecol* 129(7):777-80, 1 Dec 77 (24 ref.)

Placental lactogens, new developments. Blank MS, et al. *J Steroid Biochem* 8(5):403-14, May 77 (114 ref.)

PREDNISONE

THERAPEUTIC USE

Chronic hepatitis. To treat or not to treat? Czaja AJ, et al. *Med Clin North Am* 62(1):71-85, Jan 78 (56 ref.)

PROGESTERONE

METABOLISM

Placental steroid hormones. Schubert K, et al. *J Steroid Biochem* 8(5):359-62, May 77 (61 ref.)

PROLACTIN

METABOLISM

The roles of prostaglandins and prolactin in depression, mania and schizophrenia. Horrobin DF. *Postgrad Med J* 53(Suppl 4):160-5, 1977 (46 ref.)

PHYSIOLOGY

The role of lactogenic hormones in the pregnant woman and

the fetus. Josimovich JB, et al. *Am J Obstet Gynecol* 129(7):777-80, 1 Dec 77 (24 ref.)

PSEUDOHERMAPHRODITISM

DIAGNOSIS

[Male pseudohermaphroditism. Etiologic diagnosis. 2] Vague J, et al. *Sem Hop Paris* 53(38):2125-33, 9 Nov 77 (210 ref.) (Eng. Abstr.) (Fre)

RENAL OSTEODYSTROPHY

Renal bone disease—what is it and why does it happen? Feest TG, et al. *Clin Endocrinol (Oxf)* 7 Suppl:19s-23s, Dec 77 (15 ref.)

DRUG THERAPY

[Renal osteodystrophy—II—Recent therapeutic acquisitions (author's transl)] Sebert JL, et al. *Nouv Presse Med* 6(38):3533-7, 12 Nov 77 (20 ref.) (Eng. Abstr.) (Fre)

METABOLISM

The role of phosphate in renal bone disease. Pierides AM. *Clin Endocrinol (Oxf)* 7 Suppl:101s-107s, Dec 77 (27 ref.)

The role of vitamin D in renal bone disease. Stanbury SW. *Clin Endocrinol (Oxf)* 7 Suppl:25s-30s, Dec 77 (17 ref.)

PHYSIOPATHOLOGY

[Renal osteodystrophy. I. Recent pathophysiological acquisitions (author's transl)] Sebert JL, et al. *Nouv Presse Med* 6(37):3419-24, 5 Nov 77 (20 ref.) (Eng. Abstr.) (Fre)

RENIN

BLOOD

The renin-angiotensin system in the maternal and fetal circulation in pregnancy hypertension. Pipkin FB, et al. *Clin Obstet Gynaecol* 4(3):651-64, Dec 77 (90 ref.)

SEX HORMONES

METABOLISM

Placental steroid hormones. Schubert K, et al. *J Steroid Biochem* 8(5):359-62, May 77 (61 ref.)

PHYSIOLOGY

Breast cancer: potentially predisposing and protecting factors. Role of pregnancy, lactation, and endocrine status. Vorherr H, et al. *Am J Obstet Gynecol* 130(3):335-58, 1 Feb 78 (212 ref.)

Sex hormones as growth promoting factors for the endocrine hypothalamus. Naftolin F, et al. *J Steroid Biochem* 8(5):339-43, May 77 (32 ref.)

[Action of sex hormones: pathogenetic and diagnostic aspects] Szukalski B, et al. *Endokrynol Pol* 28(6):479-96, Nov-Dec 77 (90 ref.) (Pol)

SOMATOTROPIN

SECRETION

Chronobiology of growth hormone secretion. Quabbe HJ. *Chronobiologia* 4(3):217-46, Jul-Sep 77 (194 ref.)

REVIEW SECTION

SOMATOTROPIN RELEASE INHIBITING HORMONE

PHYSIOLOGY

Somatostatin—both hormone and neurotransmitter? Luft R, et al. *Diabetologia* 14(1):1-13, 14 Jan 78 (108 ref.)
[Somatostatin: its physiological importance and use in the internal disease clinic (a review of the literature)] Alekseev IuP. *Probl Endokrinol (Mosk)* 23(6):93-106, Nov-Dec 77 (100 ref.) (Rus)

STEROIDS

METABOLISM

Programming and differentiation of rat liver enzymes. Gustafsson JA, et al. *J Steroid Biochem* 8(5):429-43, May 77 (77 ref.)
Steroid epoxides in biologic systems: a review. Kadis B. *J Steroid Biochem* 9(1):75-81, Jan 78 (72 ref.)

TESTICULAR NEOPLASMS

THERAPY

Current dilemmas in the management of non-seminomatous germ cell tumors of the testis. Williams C. *Cancer Treat Rev* 4(4):275-97, Dec 77 (98 ref.)
The strategy of cancer treatment: testicular carcinoma. Carter SK. *Recent Results Cancer Res* (62):164-71, 1977 (27 ref.)

TESTIS

PHYSIOLOGY

Testicular regulation in nonmammalian vertebrates. Callard IP, et al. *Biol Reprod* 18(1):16-43, Feb 78 (270 ref.)

SECRETION

Hormonal interactions in regulation of androgen secretion. Bartke A, et al. *Biol Reprod* 18(1):44-54, Feb 78 (118 ref.)

TESTOSTERONE

SECRETION

Hormonal interactions in regulation of androgen secretion. Bartke A, et al. *Biol Reprod* 18(1):44-54, Feb 78 (118 ref.)

THYROID ANTAGONISTS

PHARMACODYNAMICS

Antithyroid drugs. Marchant B, et al. *Pharmacol Ther [B]* 3(3):305-48, 1978 (235 ref.)

THYROID CRISIS

THERAPY

[Recent aspects in the therapy of thyreotoxic crisis] Herrmann J. *Dtsch Med Wochenschr* 103(4):166-74, 27 Jan 78 (13 ref.) (Ger)

THYROID DISEASES

BLOOD

[Thyrotropic hormone and the thyroid gland (present status)] Kalinin AP, et al. *Ter Arkh* 49(12):131-7, 1977 (95 ref.) (Rus)

ETIOLOGY

Ionizing irradiation and the induction of clinically significant disease in the human thyroid gland. Maxon HR, et al. *Am J Med* 63(6):967-78, Dec 77 (59 ref.)

IMMUNOLOGY

Autoimmunity and the thyroid gland. Munro DS. *Proc R Soc Med* 70(12):855-7, Dec 77 (21 ref.)

THYROID GLAND

PHYSIOPATHOLOGY

[Morphology of functional disturbance of the thyroid (author's transl)] Böcker W. *Verh Dtsch Ges Pathol* 61:162-81, 1977 (157 ref.) (Eng. Abstr.) (Ger)

THYROID HORMONES

PHYSIOLOGY

Physiologic and biochemical actions of thyroid hormone. Schwartz HL, et al. *Pharmacol Ther [B]* 3(3):349-76, 1978 (180 ref.)

THYROID NEOPLASMS

Calcitonin in clinical medicine. Deftos LJ. *Adv Intern Med* 23:159-93, 1978 (127 ref.)

THYROIDITIS, LYMPHOMATOUS

IMMUNOLOGY

UCLA conference. Autoimmune thyroid diseases—Graves' and Hashimoto's. *Ann Intern Med* 88(3):379-91, Mar 78 (80 ref.)

THYROTROPIN

BLOOD

[Thyrotropic hormone and the thyroid gland (present status)] Kalinin AP, et al. *Ter Arkh* 49(12):131-7, 1977 (95 ref.) (Rus)

THYROTROPIN RELEASING HORMONE

[Current status of our knowledge on TRH] Usategui R, et al. *Rev Clin Esp* 147(3):229-34, 15 Nov 77 (46 ref.) (Spa)

TROPHOBLASTIC TUMOR

THERAPY

Primary mediastinal trophoblastic teratomas. Walden PA, et al. *Thorax* 32(6):752-8, Dec 77 (30 ref.)

VASOPRESSIN

PHYSIOLOGY

Control of water-excretion by antidiuretic hormone: some aspects of modelling the system. Oatley K. *Med Biol Eng Comput* 15(6):579-88, Nov 77 (65 ref.)

REVIEW SECTION

VITAMIN D

BLOOD

[Determination of vitamin D and its active form] Shimotsuji T, et al. *Nippon Rinsho* 35(11):3966-72, Nov 77 (45 ref.) (Jpn)

METABOLISM

Vitamin D metabolism. Deluca HF. *Clin Endocrinol (Oxf)* 7 Suppl:1s-17s, Dec 77 (97 ref.)

Physiological and therapeutic differences between vitamin D, its metabolites and analogues. Kanis JA, et al.

Clin Endocrinol (Oxf) 7 Suppl:191s-201s, Dec 77 (36 ref.)

The role of vitamin D in renal bone disease. Stanbury SW.

Clin Endocrinol (Oxf) 7 Suppl:25s-30s, Dec 77 (17 ref.)

[Clinical importance of disorders of vitamin D metabolism]

Flury W. *Schweiz Med Wochenschr* 108(4):129-33, 28 Jan

78 (38 ref.) (Eng. Abstr.) (Ger)

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation and purification, and urine).

BIOLOGICAL ASSAY

METHODS

Plasma antidiuretic hormone levels in Tammar wallabies (*Macropus eugenii*) as measured with a toad bioassay. Bakker HR, et al. *J Endocrinol* 76(1):167-8, Jan 78
ANIMAL/ BIOLOGICAL ASSAY, methods/ BUFO MARINUS/ *KANGAROOS, blood/
*MARSUPIALIA, blood/ *VASOPRESSIN, blood/
WATER-ELECTROLYTE BALANCE

CHEMISTRY, ANALYTICAL

METHODS

[Rapid method of determination of urinary estrogens in women in the 2d trimester of pregnancy with the aid of a semi-automatic extractor] Orlova VG, et al. *Lab Delo* (1):31-5, 1978 (Eng. Abstr.) (Rus)
*CHEMISTRY, ANALYTICAL, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ FRACTIONATION, instrumentation/
*FRACTIONATION, methods/ HUMAN/
*PREGNANCY COMPLICATIONS, urine/
*PREGNANCY TRIMESTER, SECOND/
PREGNANCY

CHROMATOGRAPHY

Methods for estimating the concentration of different forms of androgen receptor in rat ventral prostate. Rennie PS, et al. *Mol Cell Endocrinol* 9(2):145-57, Dec 77
ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CELLULOSE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, AGAROSE/ CYTOPLASM, metabolism/ DNA/ GLYCINE/ MALE/ METHODS/
*PROSTATE, analysis/ RATS/ *RECEPTORS, ANDROGEN, analysis/ *RECEPTORS, STEROID, analysis/ TESTIS, physiology

METHODS

[Physicochemical methods of corticosteroid analysis] Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117 ref.) (Ukr)
*ADRENAL CORTEX HORMONES, analysis/ CHEMISTRY, PHARMACEUTICAL, methods/
*CHEMISTRY, PHYSICAL, methods/
CHROMATOGRAPHY, methods/ COLORIMETRY, methods/ DOSAGE FORMS/ INDICATORS AND REAGENTS/ KETOSTEROIDS, analysis/
MOLECULAR CONFORMATION/ PHOTOMETRY, methods/ REVIEW/ SPECTROMETRY, FLUORESCENCE, methods/
SPECTROPHOTOMETRY, INFRARED, methods/
SPECTROPHOTOMETRY, ULTRAVIOLET, methods

CHROMATOGRAPHY, AFFINITY

METHODS

Isolation of labeled triiodothyronine from serum using affinity chromatography: application to the estimation of the peripheral T4 to T3 conversion in rats. Zimmerman CJ, et al. *Metabolism* 27(3):303-13, Mar 78
ANIMAL/ CHROMATOGRAPHY, AFFINITY, methods/ IMMUNOSORBENT TECHNIQUES/ IODINE RADIOISOTOPES/ MALE/ RATS/ THYROID GLAND/ *THYROXINE, blood/
*TRIIODOTHYRONINE, blood/
TRIIODOTHYRONINE, isolation & purification/ U.S. GOV'T SUPPORTED, N.I.H.

CHROMATOGRAPHY, AGAROSE

Methods for estimating the concentration of different forms of androgen receptor in rat ventral prostate. Rennie PS, et al. *Mol Cell Endocrinol* 9(2):145-57, Dec 77
ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CELLULOSE/ CHROMATOGRAPHY/ CHROMATOGRAPHY, AGAROSE/ CYTOPLASM, metabolism/ DNA/ GLYCINE/ MALE/ METHODS/
*PROSTATE, analysis/ RATS/ *RECEPTORS, ANDROGEN, analysis/ *RECEPTORS, STEROID, analysis/ TESTIS, physiology

CHROMATOGRAPHY, GAS

Method for screening urinary steroids by gas chromatography. Trocha P, et al. *Clin Chem* 24(2):193-9, Feb 78
ADULT/ CHILD/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ COMPARATIVE STUDY/ ENDOCRINE DISEASES, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ MALE/ METHODS/ PREGNANCY/ *STERIODS, urine/ U.S. GOV'T SUPPORTED, NON-N.I.H.

Gas chromatographic determination of 18-hydroxy-11-deoxycorticosterone. Tomsova Z, et al. *J Chromatogr* 145(1):131-6, 1 Jan 78
CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ CHROMATOGRAPHY, THIN LAYER/
*DESOXYCORTICOSTERONE, analogs & derivatives/ HUMAN/ METHODS/
*18-HYDROXYDESOXYCORTICOSTERONE, blood

METHODS

[GLC method for microdetermination of catecholamines (author's transl)] Itoneda T, et al. *Arq Inst Biol (Sao Paulo)* 44(1-2):63-7, Jan-Jun 77 (Por)
*CATECHOLAMINES, analysis/
*CHROMATOGRAPHY, GAS, methods

CHROMATOGRAPHY, GEL

Radioimmunoassay of 3,3',5'-triiodothyronine (reverse T3) on small reusable sephadex columns. Faber J, et al.

Acta Endocrinol (Kbh) 87(2):313-9, Feb 78
 ADSORPTION/ ADULT/ AGED/
 CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/
 MALE/ MIDDLE AGE/ PROTEIN BINDING/
 *RADIOIMMUNOASSAY, methods/ THYROID
 DISEASES, blood/ THYROXINE, blood/
 *TRIIODOTHYRONINE, blood

Thyroid hormone kinetics: improved method for quantitative separation and measurement of the various radioiodothyronine injection. Aickin CM, et al.

Clin Endocrinol (Oxf) 7(6):469-79, Dec 77
 CHROMATOGRAPHY, GEL/ COMPARATIVE
 STUDY/ *IODINE RADIOISOTOPES, diagnostic use/
 RADIOIMMUNOASSAY, methods/ *THYRONINE,
 blood/ *TRIIODOTHYRONINE, blood

Purification of the cytosol oestradiol-receptor complex from foetal guinea-pig uterus using electrofocusing on polyacrylamide plates. Pasqualini JR, et al. *Experientia* 34(2):268-9, 15 Feb 78

ACRYLIC RESINS/ ANIMAL/
 CHROMATOGRAPHY, GEL/ *CYTOSOL, analysis/
 ESTRADIOL, isolation & purification/ *ESTRADIOL,
 metabolism/ FEMALE/ FETUS/ GUINEA PIGS/ IN
 VITRO/ ISOELECTRIC FOCUSING, methods/
 PREGNANCY/ *RECEPTORS, ESTROGEN, isolation
 & purification/ RECEPTORS, ESTROGEN,
 metabolism/ UTERUS, analysis/ *UTERUS, cytology

Double isotope derivative dilution method for the determination of prostaglandin F and E type metabolites in urine. Aizawa Y, et al. *Prostaglandins* 14(6):1165-74, 1977
 ANIMAL/ CHROMATOGRAPHY, GEL/ HUMAN/
 INDOMETHACIN, pharmacodynamics/
 *PROSTAGLANDINS E, urine/
 *PROSTAGLANDINS F, urine/ *RADIOISOTOPE
 DILUTION TECHNIC, methods

[Rabbit testosterone-binding globulin and its use in concurrent protein-binding analysis] Polyntsev IuV, et al.
Probl Endokrinol (Mosk) 23(6):62-9, Nov-Dec 77 (Eng. Abstr.) (Rus)

ANDROGENS, blood/ ANIMAL/
 CHROMATOGRAPHY, GEL/ ENGLISH
 ABSTRACT/ FEMALE/ HUMAN/ MALE/
 PREGNANCY/ PROTEIN BINDING/ RABBITS/
 *RADIOLIGAND ASSAY, methods/ *SEX
 HORMONE BINDING GLOBULIN, blood/
 STEROIDS, isolation & purification/
 *TESTOSTERONE, blood/ TRITIUM/
 ULTRACENTRIFUGATION

CHROMATOGRAPHY, ION EXCHANGE

Rapid procedure for chromatographic isolation of DOPA, DOPAC, epinephrine, norepinephrine and dopamine from a single urinary sample at endogenous levels. Dalmaz Y, et al. *J Chromatogr* 145(1):11-27, 1 Jan 78

ADSORPTION/ ALUMINUM OXIDE/ ANIMAL/
 *CATECHOLAMINES, urine/
 CHROMATOGRAPHY, ION EXCHANGE/ DOPA,
 urine/ DOPAMINE, urine/ EPINEPHRINE, urine/
 EVALUATION STUDIES/ HUMAN/ METHODS/
 NOREPINEPHRINE, urine/ *PHENYLACETATES,
 urine/ RATS/ *3,4-DIHYDROXYPHENYLACETIC
 ACID, urine

INSTRUMENTATION

A procedure for the isolation of noradrenaline (together with adrenaline), dopamine, 5-hydroxytryptamine and histamine from the same tissue sample using a single column of strongly acidic cation exchange resin. Atack C, et al.

Acta Pharmacol Toxicol (Kbh) 42(1):35-57, Jan 78
 ANIMAL/ *CATECHOLAMINES, isolation &
 purification/ CHROMATOGRAPHY, ION
 EXCHANGE, instrumentation/
 *CHROMATOGRAPHY, ION EXCHANGE, methods/
 DOPAMINE, isolation & purification/ EPINEPHRINE,
 isolation & purification/ FLUOROMETRY,
 instrumentation/ *FLUOROMETRY, methods/
 *HISTAMINE, isolation & purification/
 NOREPINEPHRINE, isolation & purification/ RATS/
 *SEROTONIN, isolation & purification

METHODS

A procedure for the isolation of noradrenaline (together with adrenaline), dopamine, 5-hydroxytryptamine and histamine from the same tissue sample using a single column of strongly acidic cation exchange resin. Atack C, et al.

Acta Pharmacol Toxicol (Kbh) 42(1):35-57, Jan 78
 ANIMAL/ *CATECHOLAMINES, isolation &
 purification/ CHROMATOGRAPHY, ION
 EXCHANGE, instrumentation/
 *CHROMATOGRAPHY, ION EXCHANGE, methods/
 DOPAMINE, isolation & purification/ EPINEPHRINE,
 isolation & purification/ FLUOROMETRY,
 instrumentation/ *FLUOROMETRY, methods/
 *HISTAMINE, isolation & purification/
 NOREPINEPHRINE, isolation & purification/ RATS/
 *SEROTONIN, isolation & purification

CHROMATOGRAPHY, PAPER

Gas chromatographic determination of 18-hydroxy-11-deoxycorticosterone. Tomsová Z, et al. *J Chromatogr* 145(1):131-6, 1 Jan 78
 CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, PAPER/
 CHROMATOGRAPHY, THIN LAYER/
 *DESOXYCORTICOSTERONE, analogs & derivatives/
 HUMAN/ METHODS/
 *18-HYDROXYDESOXYCORTICOSTERONE, blood

CHROMATOGRAPHY, THIN LAYER

Gas chromatographic determination of 18-hydroxy-11-deoxycorticosterone. Tomsová Z, et al. *J Chromatogr* 145(1):131-6, 1 Jan 78
 CHROMATOGRAPHY, GAS/
 CHROMATOGRAPHY, PAPER/
 CHROMATOGRAPHY, THIN LAYER/
 *DESOXYCORTICOSTERONE, analogs & derivatives/
 HUMAN/ METHODS/
 *18-HYDROXYDESOXYCORTICOSTERONE, blood

METHODS

A facile method for detection of the genuine sapogenin from a saponin extract. Segal R, et al. *Anal Biochem* 84(1):78-84, Jan 78

CHROMATOGRAPHY, THIN LAYER, methods/
 ERYTHROCYTE MEMBRANE, metabolism/
 HEMOLYSIS/ *SAPONINS, analysis/ SAPONINS,
 metabolism/ *STEROIDS, analysis

COLORIMETRY

Method for screening urinary steroids by gas chromatography.

Trocha P, et al. *Clin Chem* 24(2):193-9, Feb 78
 ADULT/ CHILD/ CHROMATOGRAPHY, GAS/
 COLORIMETRY/ COMPARATIVE STUDY/
 ENDOCRINE DISEASES, urine/ FEMALE/
 HUMAN/ HYDROLYSIS/ MALE/ METHODS/
 PREGNANCY/ *STEROIDS, urine/ U.S. GOV'T
 SUPPORTED, NON-N.I.H.

METHODS

[Physicochemical methods of corticosteroid analysis] Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117 ref.) (Ukr)

*ADRENAL CORTEX HORMONES, analysis/
 CHEMISTRY, PHARMACEUTICAL, methods/
 *CHEMISTRY, PHYSICAL, methods/
 CHROMATOGRAPHY, methods/ COLORIMETRY,
 methods/ DOSAGE FORMS/ INDICATORS AND
 REAGENTS/ KETOSTEROIDS, analysis/
 MOLECULAR CONFORMATION/ PHOTOMETRY,
 methods/ REVIEW/ SPECTROMETRY,
 FLUORESCENCE, methods/
 SPECTROPHOTOMETRY, INFRARED, methods/
 SPECTROPHOTOMETRY, ULTRAVIOLET, methods

METHOD SECTION

FLUOROMETRY

COMPARATIVE STUDY

Automated measurement of serum thyroxine with the 'ARIA II,' as compared with competitive protein binding and radioimmunoassay. Reese MG, et al. *Clin Chem* 24(2):342-4, Feb 78
 ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RADIOIMMUNOSORBENT TEST/ *THYROXINE, blood

Method for screening urinary steroids by gas chromatography. Trocha P, et al. *Clin Chem* 24(2):193-9, Feb 78
 ADULT/ CHILD/ CHROMATOGRAPHY, GAS/ COLORIMETRY/ COMPARATIVE STUDY/ ENDOCRINE DISEASES, urine/ FEMALE/ HUMAN/ HYDROLYSIS/ MALE/ METHODS/ PREGNANCY/ *STERIODS, urine/ U.S. GOV'T SUPPORTED, NON-N.I.H.

Thyroid hormone kinetics: improved method for quantitative separation and measurement of the various radioiodothyronine injection. Aickin CM, et al. *Clin Endocrinol (Oxf)* 7(6):469-79, Dec 77
 CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ *IODINE RADIOISOTOPES, diagnostic use/ RADIOIMMUNOASSAY, methods/ *THYRONINE, blood/ *TRIIODOTHYRONINE, blood

Comparative study of serum luteinizing hormone levels in human subjects as measured by radioimmunoassay and radioreceptorassay. Scaglia HE, et al. *Fertil Steril* 29(1):88-94, Jan 78
 ADULT/ BINDING SITES/ COMPARATIVE STUDY/ FEMALE/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYPOPHYSECTOMY/ *LH, blood/ MALE/ MENSTRUATION/ RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY, methods

The precision of clinical estriol and total estrogen estimations in pregnancy urine. Huis in 't Veld LG, et al. *J Clin Chem Clin Biochem* 16(2):119-25, Feb 78
 COMPARATIVE STUDY/ *ESTRIOL, urine/ *ESTROGENS, urine/ EVALUATION STUDIES/ FEMALE/ HUMAN/ METHODS/ *PREGNANCY TRIMESTER, THIRD/ PREGNANCY

Radioimmunoassay of FSH in the plasma of post-partum dairy cows. Dobson H. *J Reprod Fertil* 52(1):45-9, Jan 78
 ANIMAL/ *CATTLE, blood/ COMPARATIVE STUDY/ ESTRUS/ FEMALE/ *FSH, blood/ LH, blood/ PREGNANCY/ PROGESTERONE, blood/ PUERPERIUM/ RADIOIMMUNOASSAY, methods

Plasma 11-hydroxycorticoids by a fluorimetric method and a competitive protein-binding assay kit. McBride J, et al. *Med Lab Sci* 34(4):331-5, Oct 77
 ANIMAL/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ FLUOROMETRY, methods/ HUMAN/ RADIOLIGAND ASSAY, methods/ *11-HYDROXYCORTICOSTEROIDS, blood

Radiological determination of changes in bone mineral content. Lindsay R, et al. *Radiography* 44(517):21-6, Jan 78
 BONE AND BONES, drug effects/ *BONE AND BONES, radiography/ COMPARATIVE STUDY/ DENSITOMETRY, X-RAY/ FEMALE/ HAND, radiography/ HUMAN/ MENOPAUSE/ MESTRANOL, pharmacodynamics/ MESTRANOL, therapeutic use/ METACARPUS, drug effects/ METHODS/ OSTEOPOROSIS, drug therapy/ *OSTEOPOROSIS, radiography

[Immunoenzymatic method of determining protein hormones in the blood and biological fluids] Sukhikh VF. *Probl Endokrinol (Mosk)* 23(6):82-5, Nov-Dec 77 (Eng. Abstr.) (Rus)
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DIALYSIS

Radioimmunological determination of reverse triiodothyronine in unextracted serum and serum dialysates. Laurberg P, et al. *Scand J Clin Lab Invest* 37(8):735-9, Dec 77
 ADULT/ CROSS REACTIONS/ DIALYSIS/ FEMALE/ HUMAN/ MALE/ *RADIOIMMUNOASSAY, methods/ THYROXINE/ *TRIIODOTHYRONINE, blood

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A procedure for the isolation of noradrenaline (together with adrenaline), dopamine, 5-hydroxytryptamine and histamine from the same tissue sample using a single column of strongly acidic cation exchange resin. Atack C, et al. *Acta Pharmacol Toxicol (Kbh)* 42(1):35-57, Jan 78
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METHODS

A procedure for the isolation of noradrenaline (together with adrenaline), dopamine, 5-hydroxytryptamine and histamine from the same tissue sample using a single column of strongly acidic cation exchange resin. Atack C, et al. *Acta Pharmacol Toxicol (Kbh)* 42(1):35-57, Jan 78
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Fluorometric determination of delta4-3-ketosteroids using aluminum salt and isonicotinylhydrazine. Horikawa R, et al. *Anal Biochem* 85(1):105-13, Mar 78
 *ALUMINUM/ EVALUATION STUDIES/ FLUOROMETRY, methods/ *ISONIAZID/ *KETOSTEROIDS, analysis

Plasma 11-hydroxycorticoids by a fluorimetric method and a competitive protein-binding assay kit. McBride J, et al. *Med Lab Sci* 34(4):331-5, Oct 77
 ANIMAL/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ COSTS AND COST ANALYSIS/ FLUOROMETRY, methods/ HUMAN/ RADIOLIGAND ASSAY, methods/ *11-HYDROXYCORTICOSTEROIDS, blood

FRACTIONATION

METHOD SECTION

FRACTIONATION

INSTRUMENTATION

[Rapid method of determination of urinary estrogens in women in the 2d trimester of pregnancy with the aid of a semi-automatic extractor] Orlova VG, et al. *Lab Delo* (1):31-5, 1978 (Eng. Abstr.) (Rus)

*CHEMISTRY, ANALYTICAL, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ FRACTIONATION, instrumentation/ *FRACTIONATION, methods/ HUMAN/ *PREGNANCY COMPLICATIONS, urine/ *PREGNANCY TRIMESTER, SECOND/ PREGNANCY

METHODS

[Rapid method of determination of urinary estrogens in women in the 2d trimester of pregnancy with the aid of a semi-automatic extractor] Orlova VG, et al. *Lab Delo* (1):31-5, 1978 (Eng. Abstr.) (Rus)

*CHEMISTRY, ANALYTICAL, methods/ ENGLISH ABSTRACT/ *ESTROGENS, urine/ FEMALE/ FRACTIONATION, instrumentation/ *FRACTIONATION, methods/ HUMAN/ *PREGNANCY COMPLICATIONS, urine/ *PREGNANCY TRIMESTER, SECOND/ PREGNANCY

ION EXCHANGE RESINS

Modified technique for the elution of polar steroid conjugates from Amberlite-XAD-2. Bradlow HL. *Steroids* 30(4):581-2, Oct 77

GLUCURONATES, isolation & purification/ *ION EXCHANGE RESINS/ METHODS/ *STEROIDS, isolation & purification/ SULFATES, isolation & purification

ISOELECTRIC FOCUSING

Levels of 13,14-dihydro-15-keto-PGE₂ in some biological fluids as measured by radioimmunoassay. Levine L. *Prostaglandins* 14(6):1125-39, 1977

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ACRYLIC RESINS/ ANIMAL/ CHROMATOGRAPHY, GEL/ *CYTOSOL, analysis/ ESTRADIOL, isolation & purification/ *ESTRADIOL, metabolism/ FEMALE/ FETUS/ GUINEA PIGS/ IN VITRO/ ISOELECTRIC FOCUSING, methods/ PREGNANCY/ *RECEPTORS, ESTROGEN, isolation & purification/ RECEPTORS, ESTROGEN, metabolism/ UTERUS, analysis/ *UTERUS, cytology

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Mass fragmentographic determination of vanilmandelic acid, homovanillic acid and isohomovanillic acid in human body fluids. Takahashi S, et al. *J Chromatogr* 145(1):1-9, 1 Jan 78

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PHOTOMETRY

METHODS

[Physicochemical methods of corticosteroid analysis] Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117 ref.) (Ukr)

*ADRENAL CORTEX HORMONES, analysis/ CHEMISTRY, PHARMACEUTICAL, methods/ *CHEMISTRY, PHYSICAL, methods/ CHROMATOGRAPHY, methods/ COLORIMETRY, methods/ DOSAGE FORMS/ INDICATORS AND REAGENTS/ KETOSTEROIDS, analysis/ MOLECULAR CONFORMATION/ PHOTOMETRY, methods/ REVIEW/ SPECTROMETRY, FLUORESCENCE, methods/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET, methods

PROTEIN BINDING

Radioimmunoassay of 3,3',5'-triiodothyronine (reverse T3) on small reusable sephadex columns. Faber J, et al. *Acta Endocrinol (Kbh)* 87(2):313-9, Feb 78

ADSORPTION/ ADULT/ AGED/ CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PROTEIN BINDING/ *RADIOIMMUNOASSAY, methods/ THYROID DISEASES, blood/ THYROXINE, blood/ *TRIIODOTHYRONINE, blood

Automated measurement of serum thyroxine with the 'ARIA II,' as compared with competitive protein binding and radioimmunoassay. Reese MG, et al. *Clin Chem* 24(2):342-4, Feb 78

ANTIBODY SPECIFICITY/ BINDING, COMPETITIVE/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ METHODS/ PROTEIN BINDING/ RADIOIMMUNOASSAY/ RADIOIMMUNOSORBENT TEST/ *THYROXINE, blood

[Rabbit testosterone-binding globulin and its use in concurrent protein-binding analysis] Polyntsev IuV, et al. *Probl Endokrinol (Mosk)* 23(6):62-9, Nov-Dec 77 (Eng. Abstr.) (Rus)

ANDROGENS, blood/ ANIMAL/ CHROMATOGRAPHY, GEL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PREGNANCY/ PROTEIN BINDING/ RABBITS/ *RADIOLIGAND ASSAY, methods/ *SEX HORMONE BINDING GLOBULIN, blood/ STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM/ ULTRACENTRIFUGATION

RADIOIMMUNOASSAY

Automated measurement of serum thyroxine with the 'ARIA II,' as compared with competitive protein binding and radioimmunoassay. Reese MG, et al. *Clin Chem* 24(2):342-4, Feb 78

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Comparative study of serum luteinizing hormone levels in human subjects as measured by radioimmunoassay and radioreceptor assay. Scaglia HE, et al. *Fertil Steril* 29(1):88-94, Jan 78

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Radioimmunoassay of 3,3',5'-triiodothyronine (reverse T3) on small reusable sephadex columns. Faber J, et al. *Acta Endocrinol (Kbh)* 87(2):313-9, Feb 78

METHOD SECTION

RADIOISOTOPE

ADSORPTION/ ADULT/ AGED/
CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/
MALE/ MIDDLE AGE/ PROTEIN BINDING/
*RADIOIMMUNOASSAY, methods/ THYROID
DISEASES, blood/ THYROXINE, blood/
*TRIIODOTHYRONINE, blood

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ALDOSTERONE, immunology/ ALDOSTERONE,
urine/ ANTIGENS/ CROSS REACTIONS/
GLUCURONATES, urine/ HUMAN/
HYPERALDOSTERONISM, urine/
HYPERTENSION, urine/ IMMUNE SERUMS/
IMMUNIZATION/ PREGNANEDIONES,
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A practical radioimmunoassay of thyroglobulin. Bodlaender
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TESTS/ HUMAN/ IMMUNE SERUMS/ MALE/
MIDDLE AGE/ NORMAL VALUES/
RADIOIMMUNOASSAY, methods/
*THYROGLOBULIN, analysis/ THYROGLOBULIN,
blood/ THYROGLOBULIN, immunology

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STUDY/ *IODINE RADIOISOTOPES, diagnostic use/
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blood/ *TRIIODOTHYRONINE, blood

Radioimmunoassay of oxytocin. Dawood MY, et al.

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ANTIBODY SPECIFICITY/ FEMALE/ FETAL
BLOOD, analysis/ HUMAN/ LABOR/ *OXYTOCIN,
blood/ PREGNANCY/ RADIOIMMUNOASSAY,
methods

Effects of gonadectomy and oestradiol treatment on plasma
luteinizing hormone concentrations in the marmoset
monkey, *Callithrix jacchus*. Hodges JK. *J Endocrinol*
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ANIMAL/ *CASTRATION/ DRUG IMPLANTS/
*ESTRADIOL, pharmacodynamics/ FEMALE/ *LH,
blood/ LH, secretion/ LH-FSH RELEASING
HORMONE, pharmacodynamics/ MALE/
MARMOSETS/ MONKEYS/ PERIODICITY/
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RATE, drug effects

Radioimmunoassay of FSH in the plasma of post-partum dairy
cows. Dobson H. *J Reprod Fertil* 52(1):45-9, Jan 78

ANIMAL/ *CATTLE, blood/ COMPARATIVE
STUDY/ ESTRUS/ FEMALE/ *FSH, blood/ LH,
blood/ PREGNANCY/ PROGESTERONE, blood/
PUERPERIUM/ RADIOIMMUNOASSAY, methods

Determination of cortisol, tetrahydrocortisol,
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*ALDOSTERONE, analysis/ *AMNIOTIC FLUID,
analysis/ *CORTICOSTERONE, analysis/
*CORTISONE, analogs & derivatives/ CROSS
REACTIONS/ FEMALE/ HUMAN/
*HYDROCORTISONE, analysis/ PREGNANCY
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TRIMESTER, THIRD/ PREGNANCY/
RADIOIMMUNOASSAY, methods/
TETRAHYDROCORTISOL, analysis/
*TETRAHYDROCORTISONE, analysis

Simultaneous radioimmunoassay of plasma aldosterone,
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17-hydroxyprogesterone, 11-deoxycortisol, cortisol and
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ADULT/ *ALDOSTERONE, blood/ CHILD/ CHILD,
PRESCHOOL/ *CORTICOSTERONE, blood/
*CORTICOTROPIN, blood/ *CORTODOXONE,
blood/ CROSS REACTIONS/
*DESOXYCORTICOSTERONE, blood/ FEMALE/

HUMAN/ *HYDROCORTISONE, blood/
*HYDROXYPROGESTERONES, blood/ INFANT/
MALE/ *PROGESTERONE, blood/
RADIOIMMUNOASSAY, methods/ SEX FACTORS/
*17-HYDROXYCORTICOSTEROIDS, blood

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*RADIOIMMUNOASSAY, methods

Radioimmunoassay of prostaglandins. Granström E.

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ANIMAL/ CATTLE/ FEMALE/ HUMAN/ MALE/
*PROSTAGLANDINS, analysis/
*RADIOIMMUNOASSAY, methods/
THROMBOXANES, analysis

Levels of 13,14-dihydro-15-keto-PGE₂ in some biological
fluids as measured by radioimmunoassay. Levine L.

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HUMAN/ IMMUNE SERUMS/ ISOELECTRIC
FOCUSING/ MALE/ MICE/ NEOPLASMS,
EXPERIMENTAL, blood/
OXIDATION-REDUCTION/ *PROSTAGLANDINS
E, blood/ PROSTAGLANDINS E, immunology/
*RADIOIMMUNOASSAY, methods/ RATS/ U.S.
GOV'T SUPPORTED, N.I.H.

Radioimmunological determination of reverse

triiodothyronine in unextracted serum and serum dialysates.
Laurberg P, et al. *Scand J Clin Lab Invest* 37(8):735-9, Dec
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ADULT/ CROSS REACTIONS/ DIALYSIS/
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*RADIOIMMUNOASSAY, methods/ THYROXINE/
*TRIIODOTHYRONINE, blood

A radioimmunoassay of plasma unconjugated and conjugated
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ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY
COMPLEX/ CROSS REACTIONS/ *ESTETROL,
blood/ *ESTRIOL, analogs & derivatives/
ESTROGENIC SUBSTANCES, CONJUGATED,
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PREGNANCY/ RADIOIMMUNOASSAY, methods/
URIDINE DIPHOSPHATE GLUCURONIC ACID,
diagnostic use

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VALUES/ PREGNANCY/ *PROLACTIN, blood/
*RADIOIMMUNOASSAY, methods

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pharmacodynamics/ DIMETHYL SULFOXIDE/
ENGLISH ABSTRACT/ ESTRUS DETECTION/
*ESTRUS, drug effects/ FEMALE/ *LH, blood/
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RADIOISOTOPE DILUTION TECHNIC

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Double isotope derivative dilution method for the
determination of prostaglandin F and E type metabolites
in urine. Aizawa Y, et al. *Prostaglandins* 14(6):1165-74, 1977
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INDOMETHACIN, pharmacodynamics/
*PROSTAGLANDINS E, urine/
*PROSTAGLANDINS F, urine/ *RADIOISOTOPE
DILUTION TECHNIC, methods

RADIOLIGAND ASSAY

METHODS

Comparative study of serum luteinizing hormone levels in human subjects as measured by radioimmunoassay and radioreceptor assay. Scaglia HE, et al. *Fertil Steril* 29(1):88-94, Jan 78

ADULT/ BINDING SITES/ COMPARATIVE STUDY/ FEMALE/ GONADOTROPINS, CHORIONIC/ HUMAN/ HYPOPHYSECTOMY/ *LH, blood/ MALE/ MENSTRUATION/ RADIOIMMUNOASSAY/ *RADIOLIGAND ASSAY, methods

Plasma 11-hydroxycorticoids by a fluorimetric method and a competitive protein-binding assay kit. McBride J, et al. *Med Lab Sci* 34(4):331-5, Oct 77

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[Rabbit testosterone-binding globulin and its use in concurrent protein-binding analysis] Polyntsev IuV, et al. *Probl Endokrinol (Mosk)* 23(6):62-9, Nov-Dec 77 (Eng. Abstr.) (Rus)

ANDROGENS, blood/ ANIMAL/ CHROMATOGRAPHY, GEL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PREGNANCY/ PROTEIN BINDING/ RABBITS/ *RADIOLIGAND ASSAY, methods/ *SEX HORMONE BINDING GLOBULIN, blood/ STEROIDS, isolation & purification/ *TESTOSTERONE, blood/ TRITIUM/ ULTRACENTRIFUGATION

[Immunoenzymatic method of determining protein hormones in the blood and biological fluids] Sukhikh VF. *Probl Endokrinol (Mosk)* 23(6):82-5, Nov-Dec 77 (Eng. Abstr.) (Rus)

ANIMAL/ ANTIBODIES/ ANTIGENS/ BINDING, COMPETITIVE/ CATTLE/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ *HORMONES, analysis/ HUMAN/ *IMMUNOENZYME TECHNIQUES/ LH, blood/ MALE/ PROLACTIN, blood/ RABBITS/ RADIOLIGAND ASSAY, methods/ SOMATOTROPIN, blood/ THYROTROPIN, blood

SECRETORY RATE

DRUG EFFECTS

Effects of gonadectomy and oestradiol treatment on plasma luteinizing hormone concentrations in the marmoset monkey, *Callithrix jacchus*. Hodges JK. *J Endocrinol* 76(2):271-81, Feb 78

ANIMAL/ *CASTRATION/ DRUG IMPLANTS/ *ESTRADIOL, pharmacodynamics/ FEMALE/ *LH, blood/ LH, secretion/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MARMOSETS/ MONKEYS/ PERIODICITY/ RADIOIMMUNOASSAY, methods/ SECRETORY RATE, drug effects

SPECTROMETRY, FLUORESCENCE

METHODS

[Spectrofluorometric method of determination of dopamine content in small blood volumes] Kogan BM, et al. *Lab Delo* (12):745-6, 1977 (Rus)

*DOPAMINE, blood/ HUMAN/ SPECTROMETRY, FLUORESCENCE, methods

[Physicochemical methods of corticosteroid analysis] Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117 ref.) (Ukr)

*ADRENAL CORTEX HORMONES, analysis/ CHEMISTRY, PHARMACEUTICAL, methods/ *CHEMISTRY, PHYSICAL, methods/ CHROMATOGRAPHY, methods/ COLORIMETRY, methods/ DOSAGE FORMS/ INDICATORS AND REAGENTS/ KETOSTEROIDS, analysis/

MOLECULAR CONFORMATION/ PHOTOMETRY, methods/ REVIEW/ SPECTROMETRY, FLUORESCENCE, methods/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET, methods

SPECTROMETRY, X-RAY EMISSION

INSTRUMENTATION

Roentgen ray fluorescence method for determination of iodine in tissue. Puumalainen P, et al.

Acta Radiol [Ther] (Stockh) 16(6):529-37, Dec 77
HUMAN/ *IODINE, analysis/ SPECTROMETRY, X-RAY EMISSION, instrumentation/ *SPECTROMETRY, X-RAY EMISSION, methods/ TISSUE DISTRIBUTION

[In vivo X-ray fluorescent analysis of iodine concentration in the thyroid (author's transl)] Imamura K, et al.

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ADULT/ AGED/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ *IODINE, analysis/ MALE/ MIDDLE AGE/ SPECTROMETRY, X-RAY EMISSION, instrumentation/ *SPECTROMETRY, X-RAY EMISSION, methods/ *THYROID GLAND, analysis

METHODS

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SPECTROPHOTOMETRY

Correlation between first morning sample and 24-hour urinary estriol excretion. Mukherjee TK, et al. *Obstet Gynecol* 51(2):166-9, Feb 78

CREATININE, urine/ *ESTRIOL, urine/ FEMALE/ HUMAN/ LIGHT/ METHODS/ PREGNANCY COMPLICATIONS, urine/ PREGNANCY/ SPECTROPHOTOMETRY/ TIME FACTORS

SPECTROPHOTOMETRY, INFRARED

METHODS

[Physicochemical methods of corticosteroid analysis] Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117 ref.) (Ukr)

*ADRENAL CORTEX HORMONES, analysis/ CHEMISTRY, PHARMACEUTICAL, methods/ *CHEMISTRY, PHYSICAL, methods/ CHROMATOGRAPHY, methods/ COLORIMETRY, methods/ DOSAGE FORMS/ INDICATORS AND REAGENTS/ KETOSTEROIDS, analysis/ MOLECULAR CONFORMATION/ PHOTOMETRY, methods/ REVIEW/ SPECTROMETRY, FLUORESCENCE, methods/ SPECTROPHOTOMETRY, INFRARED, methods/ SPECTROPHOTOMETRY, ULTRAVIOLET, methods

SPECTROPHOTOMETRY,
ULTRAVIOLET

METHODS

[Physicochemical methods of corticosteroid analysis]
Kazarinov NA, et al. *Farm Zh* (6):16-27, Nov-Dec 77 (117
ref.) (Ukr)

*ADRENAL CORTEX HORMONES, analysis/
CHEMISTRY, PHARMACEUTICAL, methods/
*CHEMISTRY, PHYSICAL, methods/
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FLUORESCENCE, methods/
SPECTROPHOTOMETRY, INFRARED, methods/
SPECTROPHOTOMETRY, ULTRAVIOLET, methods

ULTRACENTRIFUGATION

[Rabbit testosterone-binding globulin and its use in concurrent
protein-binding analysis] Polyntsev IuV, et al.
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ANDROGENS, blood/ ANIMAL/
CHROMATOGRAPHY, GEL/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ MALE/
PREGNANCY/ PROTEIN BINDING/ RABBITS/
*RADIOLIGAND ASSAY, methods/ *SEX
HORMONE BINDING GLOBULIN, blood/
STERIODS, isolation & purification/
*TESTOSTERONE, blood/ TRITIUM/
ULTRACENTRIFUGATION



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4357. [Steroid therapy in collagen diseases (I)] Nippon Rinsho 35(11):4059-67, Nov 77
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THYROID CRISIS, therapy

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Jan 78 (Cze)
CZECHOSLOVAKIA/ DIABETES MELLITUS/
ENDOCRINOLOGY/ HEMATOLOGY/ HUMAN/
*INTERNAL MEDICINE/ KIDNEY DISEASES/
PROFESSIONAL PRACTICE/ RHEUMATISM/
SPECIALISM

Author	Year	Country	Sample Size	Study Design	Findings
Smith et al.	2001	USA	1,200	Longitudinal	Increased risk of depression in children of parents with MDD.
Johnson et al.	2003	UK	800	Cross-sectional	Family history of MDD associated with higher rates of MDD in offspring.
Lee et al.	2005	Canada	1,500	Longitudinal	Genetic factors play a significant role in the development of MDD.
Wang et al.	2007	China	900	Cross-sectional	Family history of MDD linked to increased vulnerability to stress.
Miller et al.	2009	USA	1,100	Longitudinal	Environmental factors interact with genetic predisposition in MDD.
Chen et al.	2011	Taiwan	1,300	Cross-sectional	Family history of MDD associated with earlier onset of the disorder.
Robinson et al.	2013	UK	1,400	Longitudinal	Genetic factors influence the severity of MDD symptoms.
Nguyen et al.	2015	Vietnam	1,600	Cross-sectional	Family history of MDD associated with higher rates of MDD in offspring.
Patel et al.	2017	India	1,700	Longitudinal	Genetic factors play a significant role in the development of MDD.
Kim et al.	2019	South Korea	1,800	Cross-sectional	Family history of MDD linked to increased vulnerability to stress.
Alvarez et al.	2021	Spain	1,900	Longitudinal	Environmental factors interact with genetic predisposition in MDD.
Yamamoto et al.	2023	Japan	2,000	Cross-sectional	Family history of MDD associated with earlier onset of the disorder.

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ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citation (including index terms) are found but only the first three authors are listed. Foreign titles appear in original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which article appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

**National Institute of Arthritis,
Metabolism, and Digestive Diseases**

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981

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PITUITARY

I. Physical and Functional Aspects

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II. Disorders of the Thyroid Gland

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THYROID

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ADRENAL

II. Disorders of the Adrenal Glands

ADDISON'S DISEASE

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ADRENAL CORTEX NEOPLASMS

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[Pharmacology of dermatocorticoids (2. Continuation)]

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FLUDROCORTISONE

METABOLISM

Tritiated 9alpha-fluorocortisol metabolism and binding in rat kidney. Rafestin-Oblin ME, et al. *Steroids* 30(5):605-19, Nov 77

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[Pharmacology of dermatocorticoids (2. Continuation)] Weirich EG. *Z Hautkr* 53(7):209-16 contd, 1 Apr 78 (Ger)

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- A paradoxical model—cleft palate in the chick embryo. Peterka M, et al. *Folia Morphol (Praha)* 26(2):173-5, 1978

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- Multi-column chromatography of urinary steroids and adrenocortical dysfunction. Sayegh JF, et al. *Acta Endocrinol [Suppl] (Kbh)* 88(217):207-14, 1978
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HYDROCORTISONE, TOPICAL

- Benign intracranial hypertension in a child with eczema treated with topical steroids. Hosking GP, et al. *Br Med J* 1(6112):550-1, 4 Mar 78
- [Preparations from adrenal cortex hormones. IV. Rheological properties of ointment bases and ointments of cortisone acetate and hydrocortisone acetate] Nerlo H, et al. *Acta Pol Pharm* 34(6):649-58, 1977 (Pol)

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- A double-blind comparison of 1% hydrocortisone plus 10% urea ('Alphaderm') and 0.1% betamethasone 17-valerate in the treatment of non-infective inflammatory dermatoses. Khan SA, et al. *Curr Med Res Opin* 5(4):354-8, 1977-78

ANALYSIS

- [Quantitative determination of hydrocortisone acetate and sodium sulfapyridazine in eye ointments] Atiia MA, et al. *Farmatsiia* 27(2):52-3, Mar-Apr 78 (Rus)

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- The relationship between cyclic adenosine 3', 5' - monophosphate and biochemical events in rat skin after the induction of epidermal hyperplasia using hexadecane. Peters RF, et al. *Br J Dermatol* 98(3):301-14, Mar 78
- [Pharmacology of dermatocorticoids (2. Continuation)] Weirich EG. *Z Hautkr* 53(7):209-16 contd, 1 Apr 78 (Ger)

THERAPEUTIC USE

- Benign intracranial hypertension in a child with eczema treated with topical steroids. Hosking GP, et al. *Br Med J* 1(6112):550-1, 4 Mar 78
- A double-blind comparison of 1% hydrocortisone plus 10% urea ('Alphaderm') and 0.1% betamethasone 17-valerate in the treatment of non-infective inflammatory dermatoses. Khan SA, et al. *Curr Med Res Opin* 5(4):354-8, 1977-78
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11-HYDROXYCORTICOSTEROIDS

BIOSYNTHESIS

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BLOOD

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SECRETION

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17-HYDROXYCORTICOSTEROIDS

BLOOD

- [A radioimmunoassay for plasma 11-desoxycortisol and its use in the rapid metopirone test] Hubl W, et al. *Endokrinologie* 71(1):60-4, Feb 78 (Eng. Abstr.) (Ger)

METABOLISM

- [Effect of large doses of reserpine on the hypothalamo-hypophyseal-adrenal system in Itsenko-Cushing's disease] Marova EI, et al. *Probl Endokrinol (Mosk)* 24(2):17-21, Mar-Apr 78 (Eng. Abstr.) (Rus)

SECRETION

- Factors influencing the circadian periodicity of ACTH and corticosteroids. Krieger DT. *Med Clin North Am* 62(2):251-9, Mar 78

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18-HYDROXYCORTICOSTERONE

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HYDROXYPREGNEOLONE

BIOSYNTHESIS

- [In-vitro studies on the effect of D-norgestrel and norethisterone acetate on the formation of sex steroids in the human ovary] Schürenkämper P, et al. *Endokrinologie* 71(1):25-34, Feb 78 (Eng. Abstr.) (Ger)

METABOLISM

- Substrate specificity for androgen biosynthesis in the primate testis. Preslock JP, et al. *J Steroid Biochem* 9(2):163-7, Feb 78
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KETOSTEROIDS

URINE

- Multi-column chromatography of urinary steroids and adrenocortical dysfunction. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):207-14, 1978

17-KETOSTEROIDS

BLOOD

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METABOLISM

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- Inhibition by melatonin of the pituitary response to luteinizing hormone releasing hormone in vivo. Yamashita K, et al. *J Endocrinol* 76(3):487-91, Mar 78
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- A modification of the Cortipac procedure for the estimation of urine free cortisol. Wiener K, et al. *Ann Clin Biochem* 15(2):115-6, Mar 78
- Management of congenital adrenal hyperplasia. Urinary steroid estimations—review of their value. Bailey CC, et al. *Arch Dis Child* 53(2):132-5, Feb 78
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METHYLPREDNISOLONE

ADMINISTRATION & DOSAGE

- Effect of therapy with methylprednisolone on the size of myocardial infarcts in man. Peters RW, et al. *Chest* 73(4):483-8, Apr 78

PHARMACODYNAMICS

- The importance of adrenocortical steroids in the pathogenesis of ketosis in diabetic guinea pigs (*Caviae porcellus*) Johnson FM Jr. *Cornell Vet* 68(2):150-60, Apr 78
- Effect of corticosteroids on the response of lymphocytes to stimulation by galactose oxidase-modified lymphocytes. Yu DT, et al. *Immunology* 33(2):247-52, Aug 77
- Long-term preservation of ischemic myocardium after experimental coronary artery occlusion. Maclean D, et al. *J Clin Invest* 61(3):541-51, Mar 78
- Effects of adrenocortical steroids and of adrenocorticotrophic hormone on (Na⁺-K⁺)-ATPase in immature cerebral cortex. Huttenlocher PR, et al. *Pediatr Res* 12(2):104-7, Feb 78

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TETRAHYDROCORTISOL

and an adrenergic beta-stimulant (author's transl)] Arnaud A, et al. *Nouv Presse Med* 6(45):4183-6, 31 Dec 77 (Eng. Abstr.) (Fre)

MINERALOCORTICOIDS

BIOSYNTHESIS

Dexamethasone-responsive hypertension in young women with suppressed renin and aldosterone. Hoefnagels WH, et al. *Lancet* 1(8067):741-3, 8 Apr 78

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[A feminizing adrenal cortex adenoma with Cushing's syndrome which can be stimulated with HCG] Breustedt HJ, et al. *Verh Dtsch Ges Inn Med* 83:1340-3, 17-21 Apr 77 (Ger)

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Low-renin ('primary') hyperaldosteronism. Differential diagnosis and distinction of sub-groups within the syndrome. Ferriss JB, et al. *Am Heart J* 95(5):641-58, May 78 (190 ref.)

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PREDNISOLONE

Separation of multisized drug suspensions into narrow distributions by centrifugal elutriation. Howard SA, et al. *J Pharm Sci* 67(5):673-5, May 78

ADMINISTRATION & DOSAGE

[Study on suppression of the pituitary-adrenocortical function by the therapeutic use of corticosteroids and its spontaneous recovery (author's transl)] Mori M. *Nippon Naibunpi Gakkai Zasshi* 54(1):54-67, 20 Jan 78 (Eng. Abstr.) (Jpn)

[The effect of steroid's preparations, doses and administration methods on the suppression of adrenocortical functions during corticosteroid therapy in chronic diseases (author's transl)] Morimoto Y, et al. *Nippon Naika Gakkai Zasshi* 67(1):57-68, Jan 78 (Jpn)

ADVERSE EFFECTS

[Action of corticosteroid hormones on the pepsin-forming function of the stomach in viral hepatitis] Vylegzhanina TK. *Klin Med (Mosk)* 56(2):43-7, Feb 78 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

[Interaction of catecholamines and corticosteroids during the process of muscle fatigue] Matlina ESh, et al. *Fiziol Zh SSSR* 64(2):171-6, Feb 78 (Eng. Abstr.) (Rus)

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THERAPEUTIC USE

Corticosteroids in chronic bronchitis and pulmonary emphysema. Sahn SA. *Chest* 73(3):389-96, Mar 78 (38 ref.) [Corticosteroids in gastroenterology] Tytgat GN.

Ned Tijdschr Geneesk 122(12):406-10, 25 Mar 78 (55 ref.) (Dut)

[Sjogren's syndrome (letter)] Achenbach W. *Dtsch Med Wochenschr* 103(13):544, 31 Mar 78 (Ger) [Cooperative group study for acute childhood leukemia in Kyushu area (author's transl)] Fujimoto T. *Nippon Ketsueki Gakkai Zasshi* 40(6):1067-75, Dec 77 (Eng. Abstr.) (Jpn)

Use of corticosteroids in complex treatment of generalized forms of meningococcal infection] Vashchenko MA, et al. *Vrach Delo* (2):135-8, Feb 78 (Rus)

PREDNISONE

ADVERSE EFFECTS

Aseptic necrosis of bone in systemic lupus erythematosus. Relationship to corticosteroid therapy. Abeles M, et al. *Arch Intern Med* 138(5):750-4, May 78

THERAPEUTIC USE

Childhood pemphigus treated with gold. Paltzik RL, et al. *Arch Dermatol* 114(5):768-9, May 78

Management of congenital adrenal hyperplasia. Urinary steroid estimations—review of their value. Bailey CC, et al. *Arch Dis Child* 53(2):132-5, Feb 78

Multiple myeloma complicating the course of seronegative systemic lupus erythematosus. Jordan E, et al. *Arthritis Rheum* 21(2):260-5, Mar 78

The treatment of mild adrenal hyperplasia and associated infertility with prednisone. Sarris S, et al. *Br J Obstet Gynaecol* 85(4):251-3, Apr 78

Corticosteroids in chronic bronchitis and pulmonary emphysema. Sahn SA. *Chest* 73(3):389-96, Mar 78 (38 ref.) Little people, big people, and Crohn's disease [editorial]

Janowitz HD. *Gastroenterology* 74(5 Pt 1):951-2, May 78

Adrenal abnormalities in paraquat poisoning: an indication for corticosteroid therapy? Fitzgerald GR, et al. *Ir J Med Sci* 146(12):421-3, Dec 77

Monocyte cellular function in asthmatic patients on alternate-day steroid therapy. Norris DA, et al. *J Allergy Clin Immunol* 61(4):255-60, Apr 78

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PREGNANETRIOL

ANALOGS & DERIVATIVES

Multi-column chromatography of urinary steroids and adrenocortical dysfunction. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):207-14, 1978

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Multi-column chromatography of urinary steroids and adrenocortical dysfunction. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):207-14, 1978

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TETRAHYDROCORTISOL

The specificity of multi-column liquid chromatography of neutral urinary steroids as evaluated by comparison with parallel gas chromatography and mass spectrometry. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):132-47, 1978

METABOLISM

Endocrine changes in anorexia nervosa. Boyar RM. *Med Clin North Am* 62(2):297-303, Mar 78

URINE

Multi-column chromatography of neutral urinary steroids and metyrapone testing. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):201-6, 1978

TETRAHYDROCORTISOL

ADRENAL

[Adrenal function after long term treatment with beclomethasone dipropionate in childhood asthma (author's transl)] Wahn U, et al. *Monatsschr Kinderheilkd* 126(2):87-9, Feb 78 (Eng. Abstr.) (Ger)

TETRAHYDROCORTISONE

The specificity of multi-column liquid chromatography of neutral urinary steroids as evaluated by comparison with parallel gas chromatography and mass spectrometry. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):132-47, 1978

METABOLISM

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URINE

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TRIAMCINOLONE ACETONIDE

ADVERSE EFFECTS

[Leukoderma and sclerodermiform atrophy in bands after cortisone injection] Deschamps P, et al. *Ann Dermatol Venerol* 104(10):672-4, Oct 77 (Fre)

METABOLISM

Ontogeny and biochemical properties of glucocorticoid receptors in mid-gestation mouse embryos. Salomon DS, et al. *J Steroid Biochem* 9(2):95-107, Feb 78

Tritiated 9alpha-fluorocortisol metabolism and binding in rat kidney. Rafestin-Oblin ME, et al. *Steroids* 30(5):605-19, Nov 77

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The relationship between cyclic adenosine 3', 5' - monophosphate and biochemical events in rat skin after the induction of epidermal hyperplasia using hexadecane. Peters RF, et al. *Br J Dermatol* 98(3):301-14, Mar 78

[Pharmacology of dermatocorticoids (2. Continuation)] Weirich EG. *Z Hautkr* 53(7):209-16 contd, 1 Apr 78 (Ger)

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[Leukoderma and sclerodermiform atrophy in bands after cortisone injection] Deschamps P, et al. *Ann Dermatol Venerol* 104(10):672-4, Oct 77 (Fre)

* TRIAMCINOLONE

Maximizing the purification of the activated glucocorticoid receptor by DNA-cellulose chromatography. Eisen HJ, et al. *Biochem J* 177(1): 177-83, 1 Apr 78

The traumatic pseudolipoma. Rozner L, et al. *Aust NZ J Surg* 47(6): 779-82, Dec 77

Endophthalmitis following staphylococcal sepsis in renal failure patients. Bloomfield SE, et al. *Arch Intern Med* 138(5): 706-8, May 78

Glucocorticoid-induced alterations in collagen of neonatal mouse condylar cartilage. Lewinson D, et al. *Am J Anat* 151(4): 515-25, Apr 78

Mechanisms of glucocorticoid-induced growth retardation: impairment of cartilage mineralization. Silbermann M, et al. *Acta Anat Basel* 101(2): 140-9, 1978

Chronic pericardial effusion owing to postpericardiotomy syndrome [letter]. Sade RM. *J Thorac Cardiovasc Surg* 75(5): 789, May 78

Triamcinolone-induced mammary activation in virgin mice. Lindenbaum E, et al. *Eur J Pharmacol* 48(1): 133-6, 1 Mar 78

ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

ADMINISTRATION & DOSAGE

Medical adrenalectomy with aminoglutethimide: clinical studies in postmenopausal patients with metastatic breast carcinoma. Wells SA Jr, et al. *Ann Surg* 187(5):475-84, May 78

ADVERSE EFFECTS

Medical adrenalectomy with aminoglutethimide: clinical studies in postmenopausal patients with metastatic breast carcinoma. Wells SA Jr, et al. *Ann Surg* 187(5):475-84, May 78

PHARMACODYNAMICS

Influence of single peroral dose of aminoglutethimide on the rat adrenal cortex. Motlik K, et al. *Endocrinol Exp (Bratisl)* 11(4):285-97, Dec 77
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THERAPEUTIC USE

Medical adrenalectomy with aminoglutethimide: clinical studies in postmenopausal patients with metastatic breast carcinoma. Wells SA Jr, et al. *Ann Surg* 187(5):475-84, May 78

DDD

ANALOGS & DERIVATIVES

[Effect of O,N'-dichlorodiphenyldichloroethane and pertan in vitro on glutathione reductase activity in the adrenals of dogs and guinea pigs] Komissarenko VP, et al. *Biull Eksp Biol Med* 85(2):159-61, Feb 78 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

[Effect of O,N'-dichlorodiphenyldichloroethane and pertan in vitro on glutathione reductase activity in the adrenals of dogs and guinea pigs] Komissarenko VP, et al. *Biull Eksp Biol Med* 85(2):159-61, Feb 78 (Eng. Abstr.) (Rus)

[Action of O,N'-dichlorodiphenyldichloroethane (O,N'-DDD) on adrenal cortical ATPase] Komissarenko VP, et al. *Probl Endokrinol (Mosk)* 24(2):85-9, Mar-Apr 78 (Eng. Abstr.) (Rus)

METYRAPONE

Irradiation therapy with 131I-6beta-iodocholesterol of metapyralone induced adrenal hyperplasia in rats. Tragl KH, et al. *Res Exp Med (Berl)* 172(2):137-41, 20 Mar 78

ADMINISTRATION & DOSAGE

[Comparison of plasma testosterone (T), androstenedione (A) and dheia variations after metopirone in 10 normal and 12 hirsute women (author's transl)] Darsy P, et al. *Ann Endocrinol (Paris)* 38(6):393-4, 1977 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

Multi-column chromatography of neutral urinary steroids and metyrapone testing. Sayegh JF, et al. *Acta Endocrinol [Suppl] (Kbh)* 88(217):201-6, 1978

Urinary, plasma and adrenal tissue steroids in a male patient with Cushing's syndrome due to adrenal carcinoma. Drafta D, et al. *Endocrinologie* 16(1):41-9, Jan-Mar 78

The effect of cyproheptadine and human growth hormone on adrenocortical function in children with hypopituitarism. Kenien AG, et al. *J Pediatr* 92(3):491-4, Mar 78

Evaluation of diagnostic and differential diagnostic tests in Cushing's syndrome. Lamberts SW, et al. *Neth J Med* 20(6):267-74, 1977

[A radioimmunoassay for plasma 11-desoxycortisol and its use in the rapid metopirone test] Hubl W, et al. *Endokrinologie* 71(1):60-4, Feb 78 (Eng. Abstr.) (Ger)

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PHARMACODYNAMICS

[Influence of metyrapone on morphine dependent rats (author's transl)] Yanaura S, et al. *Nippon Yakurigaku Zasshi* 74(1):99-109, Jan 78 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

[Influence of metyrapone on morphine dependent rats (author's transl)] Yanaura S, et al. *Nippon Yakurigaku Zasshi* 74(1):99-109, Jan 78 (Eng. Abstr.) (Jpn)

TOXICITY

Metyrapone-induced cardiovascular degenerative changes in non-arteriosclerotic and arteriosclerotic rats. Wexler BC, et al. *Br J Exp Pathol* 59(1):52-63, Feb 78

PITUITARY-ADRENAL SYSTEM

DRUG EFFECTS

Effects of bromocriptine on the hypothalamo-pituitary axis. Flückiger E. *Acta Endocrinol [Suppl] (Kbh)* 88(216):111-7, 1978

Pituitary-adrenal and pituitary-thyroid function during administration of difluocortolone and dexamethasone to human subjects. Lambe RF, et al. *Ir J Med Sci* 147(1):15-25, Jan 78

The effect of perinatal thyroxine treatment on the development of the plasma corticosterone diurnal rhythm. Lengvári I, et al. *Neuroendocrinology* 24(2):65-73, 1977

Effect of combined perinatal thyroxine and corticosterone treatment on the development of the diurnal pituitary-adrenal rhythm. Taylor AN, et al. *Neuroendocrinology* 24(2):74-9, 1977

[Assessment of value and risks of external treatment with clobetasol-17-propionate (Dermovate)] van der Harst LC, et al. *Ned Tijdschr Geneesk* 122(7):219-23, 18 Feb 78 (Eng. Abstr.) (Dut)

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ADRENAL MEDULLA

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CHROMAFFIN SYSTEM

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- Simultaneous measurement of steroids in follicular fluid and ovarian venous blood in the rabbit. Bahr JM.
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- Further investigations on the maturation and degeneration of human ovarian follicles and their oocytes. Breitenacker G, et al. **Fertil Steril** 29(3):336-41, Mar 78
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- Relationship between follicle-stimulating hormone, androstenedione and oestradiol in human follicular fluid.

GRAAFIAN FOLLICLE

McNatty KP, et al. *J Endocrinol* 76(3):527-31, Mar 78

TRANSPLANTATION

Production a corpus luteum angiogenic factor responsible for proliferation of capillaries and neovascularization of the corpus luteum. Gospodarowicz D, et al.
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ULTRASTRUCTURE

Intercellular junctions in the human developing preovulatory follicle and corpus luteum. Fukushima M. *Int J Fertil* 22(4):206-16, 1977
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PATHOLOGY

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DRUG EFFECTS

Fine structure of lutein cell junctions in guinea pig ovary. Bourneva V, et al. *Verh Anat Ges* (71 Pt 1):507-11, 1977

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ULTRASTRUCTURE

Fine structure of lutein cell junctions in guinea pig ovary. Bourneva V, et al. *Verh Anat Ges* (71 Pt 1):507-11, 1977

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II. Disorders of the Gonads

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*GRAAFIAN FOLLICLE, ABNORMALITIES AND INJURIES. See Page 144

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STEIN-LEVENTHAL SYNDROME

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Diagnostic problems on nosographic classification of polycystic disease of the ovary. Martorana A, et al. *Acta Eur Fertil* 8(4):301-26, Dec 77 (Eng, Ita)
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Malacoplakia of testis. Rinaudo P, et al. *Int Urol Nephrol* 9(3):249-54, 1977

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TESTICULAR FEMINIZATION

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A case of 17alpha-hydroxylase deficiency with symptoms mimicking testicular feminization. Saruta T, et al.

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Cell death in the mosaic epididymis of sex reversed mice, heterozygous for testicular feminization. Drews U, et al. *Anat Embryol (Berl)* 152(2):193-203, 20 Feb 78

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Results of combined chemo-surgical therapy for pulmonary metastases from testicular carcinoma. Bains MS, et al.

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A controlled trial of nandrolone decanoate in the treatment of uremic anemia. Cattran DC, et al. *Kidney Int* 12(6):430-7, Dec 77

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[Basis of gestagen therapy of endometrial carcinoma] Trams G. *Dtsch Med Wochenschr* 103(13):574-7, 31 Mar 78

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NORETHANDROLONE

ANALYSIS

Determination of fluoxymesterone, norethandrolone, prednisolone, and prednisone in tablets by differential pulse polarography. Yadav RN, et al. *J Pharm Sci* 67(3):436-8, Mar 78

NORETHINDRONE

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Contraception with a norethisterone-releasing IUD. Plasma levels of norethisterone and its influence on the ovarian function. Nilsson CG, et al. *Contraception* 17(2):115-22, Feb 78

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NORETHYNODREL

ADVERSE EFFECTS

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NORGESTREL

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GONADS

PREGNANEDIOL

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- Induction of lordosis behavior in female rats by intravenous administration of progestins. Kubli-Garfias C, et al. *Horm Behav* 9(3):380-6, Dec 77
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- Induction of lordosis behavior in female rats by intravenous administration of progestins. Kubli-Garfias C, et al. *Horm Behav* 9(3):380-6, Dec 77

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Worldwide controversies in gestational trophoblastic neoplasms. Goldstein DP. *Int J Gynaecol Obstet* 15(3):207-15, 1977

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PLACENTA

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II. Disorders of the Parathyroid Glands

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TETANY

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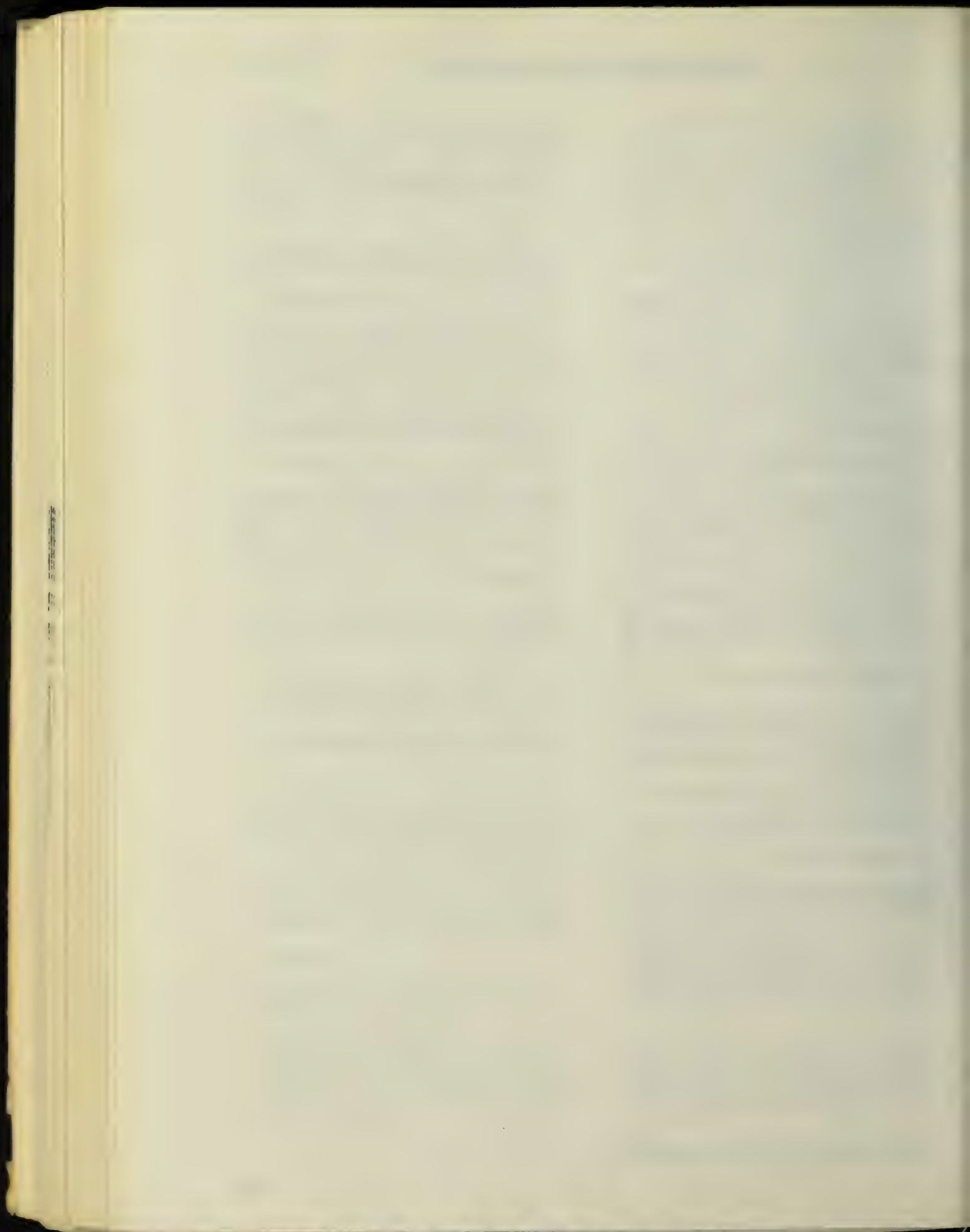
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NEUROENDOCRINOLOGY

I. Physical and Functional Aspects

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NEUROENDOCRINOLOGY

II. Disorders of the Amygdaloid Body

AMYGDALOID BODY

INJURIES

Different effects of amygdaloid lesions on compensatory ovarian hypertrophy in cyclic and prepubertal female rats. Bao TN, et al. *Endokrinologie* 70(3):340-3, 1977

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*HYPOTHALAMUS, ANTERIOR, ABNORMALITIES AND INJURIES. See Page 234

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

CORTICOTROPIN RELEASING HORMONE

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MELATONIN

ANALOGS & DERIVATIVES

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MSH RELEASE INHIBITING HORMONE

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PITUITARY HORMONE RELEASE INHIBITING HORMONES

METABOLISM

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APPENDIX

RECEPTORS, CYCLIC

RECEPTORS, ANDROGEN

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PHYSIOLOGY

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THECA CELL TUMOR

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THYROID GLAND

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THYROXINE

METABOLISM

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THYROXINE BINDING PROTEIN

ISOLATION & PURIFICATION

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TRIIODOTHYRONINE

METABOLISM

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TROPHOBLASTIC TUMOR

THERAPY

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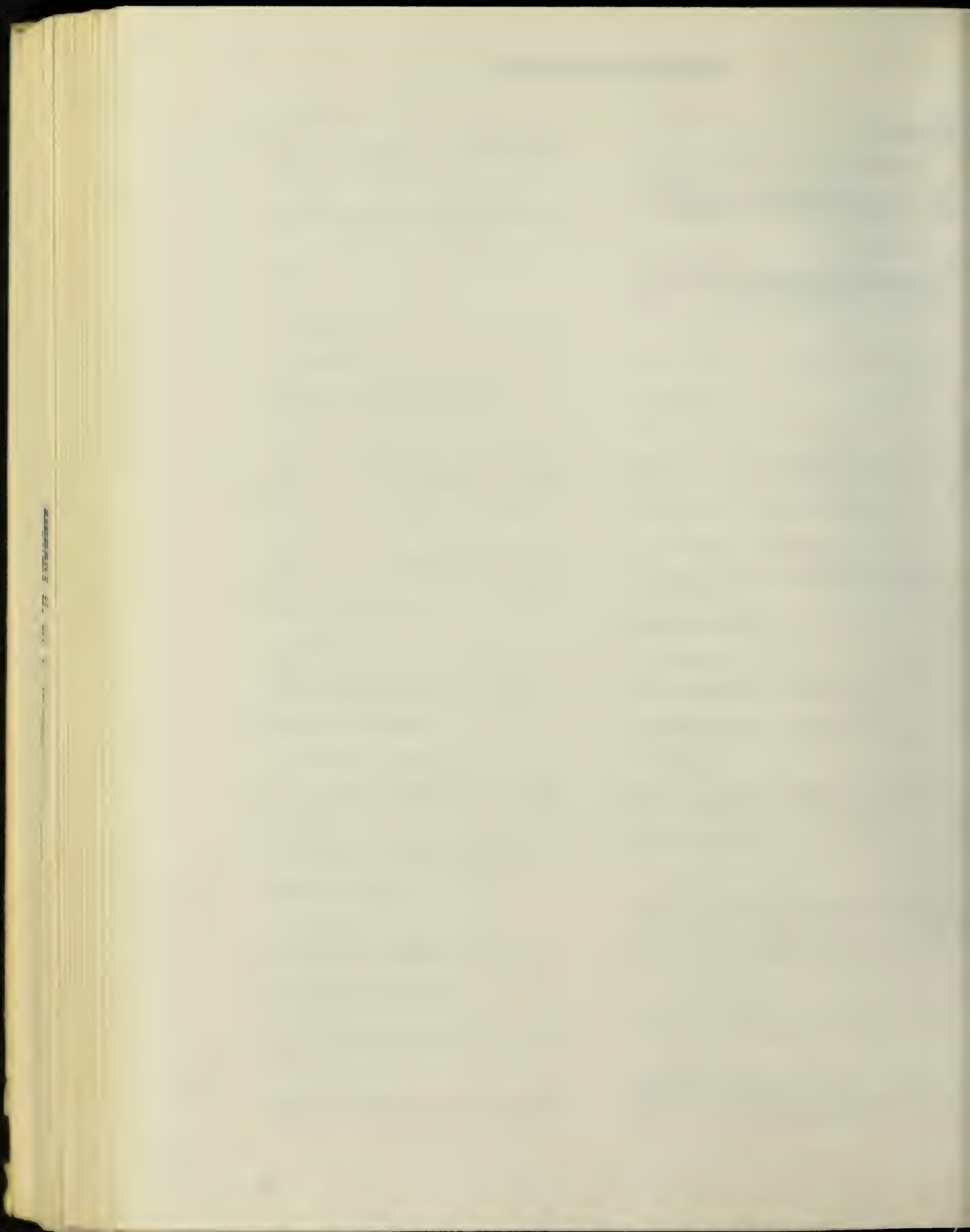
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METHOD SECTION

AUTOANALYSIS

The multicuvette general analytical system for combined multi-column chromatography and high capacity single substance and group analyses and its application to steroid analyses. Vestergaard P. *Acta Endocrinol [Suppl]* (Kbh) 88(217):229-45, 1978

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ COMPUTERS/ HUMAN/ *STERIODS,
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AUTOANALYSIS/ *ESTROGENS, urine/
EVALUATION STUDIES/ HUMAN/ METHODS/
SPECTROMETRY, FLUORESCENCE

METHODS

Rapid semiautomated method for the differential determination of urinary catecholamines. Wainwright RS.

Ann Clin Biochem 15(2):93-101, Mar 78

AUTOANALYSIS, methods/ CATECHOLAMINES,
urine/ CHROMATOGRAPHY/ *EPINEPHRINE,
urine/ FLUOROMETRY/ HUMAN/ INDOLES/
*NOREPINEPHRINE, urine/ NORMAL VALUES/
SEMICARBAZIDES

CHROMATOGRAPHY

Rapid semiautomated method for the differential determination of urinary catecholamines. Wainwright RS.

Ann Clin Biochem 15(2):93-101, Mar 78

AUTOANALYSIS, methods/ CATECHOLAMINES,
urine/ CHROMATOGRAPHY/ *EPINEPHRINE,
urine/ FLUOROMETRY/ HUMAN/ INDOLES/
*NOREPINEPHRINE, urine/ NORMAL VALUES/
SEMICARBAZIDES

METHODS

[Determination of free, bioavailable plasma steroid hormones; clinical application] Bartmann E, et al.

Verh Dtsch Ges Inn Med 83:1346-9, 17-21 Apr 77 (Ger)

ADULT/ CHROMATOGRAPHY, methods/
COMPARATIVE STUDY/ FEMALE/ *HORMONES,
blood/ HUMAN/ HYDROCORTISONE, blood/
MALE/ METHODS/ ULTRACENTRIFUGATION

CHROMATOGRAPHY, AFFINITY

METHODS

Maximizing the purification of the activated glucocorticoid receptor by DNA-cellulose chromatography. Eisen HJ, et al. *Biochem J* 171(1):177-83, 1 Apr 78

ANIMAL/ CELL NUCLEUS, metabolism/
CELLULOSE/ CHROMATOGRAPHY, AFFINITY,
methods/ DNA/ ELECTROPHORESIS,
POLYACRYLAMIDE GEL/ HEAT/ IN VITRO/
LIVER, metabolism/ MALE/ PROTEIN BINDING/

RATS/ *RECEPTORS, GLUCOCORTICOID, isolation & purification/ RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, isolation & purification/ TRIAMCINOLONE, metabolism

CHROMATOGRAPHY, GAS

Estimation of 17-oxosteroids in plasma by multi-column chromatography. Sayegh JF, et al.

Acta Endocrinol [Suppl] (Kbh) 88(217):215-21, 1978

ADULT/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
FEMALE/ HUMAN/ HYDROLYSIS/ MALE/
MIDDLE AGE/ SOLVENTS/ SPECTRUM
ANALYSIS, MASS/ *17-KETOSTEROIDS, blood

The specificity of multi-column liquid chromatography of neutral urinary steroids as evaluated by comparison with parallel gas chromatography and mass spectrometry. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):132-47, 1978

CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ HUMAN/
METHODS/ SPECTRUM ANALYSIS, MASS/
*STERIODS, urine/ TETRAHYDROCORTISOL/
TETRAHYDROCORTISONE

The multicuvette general analytical system for combined multi-column chromatography and high capacity single substance and group analyses and its application to steroid analyses. Vestergaard P. *Acta Endocrinol [Suppl]* (Kbh) 88(217):229-45, 1978

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ COMPUTERS/ HUMAN/ *STERIODS,
analysis

Studies related to the metabolism of anabolic steroids in the horse: a gas chromatographic mass spectrometric method to confirm the administration of 19-nortestosterone or its esters to horses. Houghton E, et al.

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CHROMATOGRAPHY, GAS/ *ESTRANES, urine/
*HORSES, metabolism/ METHODS/ NANDROLONE,
analogs & derivatives/ *NANDROLONE, metabolism/
NANDROLONE, urine/ SPECTRUM ANALYSIS,
MASS

Analysis of metabolic profiles of prostaglandins in urine using a lipophilic anion exchange. Almé B, et al.

Prostaglandins 15(2):199-217, Feb 78

ANIMAL/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, ION EXCHANGE, methods/
CYNOMOLGUS MONKEYS/ MONKEYS/
PROSTAGLANDINS F, urine/
*PROSTAGLANDINS, urine/ SPECTRUM
ANALYSIS, MASS

A simple extraction procedure for prostaglandins in human seminal plasma with specific detection by selected ion monitoring. Tusell JM, et al. *Prostaglandins* 15(2):219-37, Feb 78

CHROMATOGRAPHY, GAS/ HUMAN/ IONS/
MALE/ *PROSTAGLANDINS, isolation &
purification/ *SEMEN, analysis/ SPECTRUM
ANALYSIS, MASS/ *ULTRAFILTRATION, methods

CHROMATOGRAPH

METHOD SECTION

METHODS

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*IODINE, analysis/ *MILK, analysis

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Radioimmunoassay for plasma corticosterone. Grose JH, et al. *Clin Biochem* 11(1):32-33, Feb 78

ADULT/ ANTIBODIES/ CHROMATOGRAPHY,
GEL/ *CORTICOSTERONE, blood/ HUMAN/
PROTEIN BINDING/ RADIOIMMUNOASSAY,
methods/ TRANSCORTIN

Free thyroxine in serum as estimated by polyacrylamide gel filtration. McDonald LJ, et al. *Clin Chem* 24(4):652-6, Apr 78

ACRYLAMIDES/ CHROMATOGRAPHY, GEL/
DIALYSIS/ EVALUATION STUDIES/ HUMAN/
METHODS/ *THYROXINE, blood

METHODS

Procedure for a normalised thyroxine determination in small sephadex columns. Goedemans WT, et al.

J Clin Chem Clin Biochem 16(4):231-4, Apr 78

CHROMATOGRAPHY, GEL, methods/ FEMALE/
HUMAN/ INDICATORS AND REAGENTS/
PREGNANCY/ THYROID DISEASES, blood/
THYROXINE BINDING PROTEIN, metabolism/
*THYROXINE, blood

Radioimmunoassay of plasma androstenedione, testosterone and 11beta-hydroxyandrostenedione after chromatography on Lipidex-5000 (hydroxyalkoxypropyl Sephadex).

Goldzieher JW, et al. *J Steroid Biochem* 9(2):169-73, Feb 78

ADRENAL GLAND HYPOFUNCTION, blood/
ALCOHOLS/ *ANDROSTENEDIONE, analogs &
derivatives/ *ANDROSTENEDIONE, blood/
CASTRATION/ CHROMATOGRAPHY, GEL,
methods/ DEXTRAN, analogs & derivatives/
FEMALE/ HUMAN/ MALE/
RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/
U.S. GOV'T SUPPORTED, NON-N.I.H.

CHROMATOGRAPHY, ION EXCHANGE

METHODS

Analysis of metabolic profiles of prostaglandins in urine using a lipophilic anion exchange. Almé B, et al.

Prostaglandins 15(2):199-217, Feb 78

ANIMAL/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, ION EXCHANGE, methods/
CYNOMOLGUS MONKEYS/ MONKEYS/
PROSTAGLANDINS F, urine/
*PROSTAGLANDINS, urine/ SPECTRUM
ANALYSIS, MASS

CHROMATOGRAPHY, LIQUID

The specificity of multi-column liquid chromatography of neutral urinary steroids as evaluated by comparison with parallel gas chromatography and mass spectrometry. Sayegh JF, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):132-47, 1978

CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID/ COMPARATIVE
STUDY/ EVALUATION STUDIES/ HUMAN/
METHODS/ SPECTRUM ANALYSIS, MASS/
*STERIODS, urine/ TETRAHYDROCORTISOL/
TETRAHYDROCORTISONE

INSTRUMENTATION

General methodology for the estimation of common neutral urinary steroids by multi-column liquid chromatography. Vestergaard P, et al. *Acta Endocrinol [Suppl]* (Kbh) 88(217):76-95, 1978

ADRENAL CORTEX HORMONES, urine/
CHROMATOGRAPHY, LIQUID, instrumentation/
*CHROMATOGRAPHY, LIQUID, methods/
COMPUTERS/ EVALUATION STUDIES/
GLUCURONIDASE/ HUMAN/ HYDROLYSIS/
SPECTROPHOTOMETRY/ *STERIODS, urine/
17-KETOSTEROIDS, urine

METHODS

Estimation of 17-oxosteroids in plasma by multi-column chromatography. Sayegh JF, et al.

Acta Endocrinol [Suppl] (Kbh) 88(217):215-21, 1978

ADULT/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
FEMALE/ HUMAN/ HYDROLYSIS/ MALE/
MIDDLE AGE/ SOLVENTS/ SPECTRUM
ANALYSIS, MASS/ *17-KETOSTEROIDS, blood

General methodology for the estimation of common neutral urinary steroids by multi-column liquid chromatography.

Vestergaard P, et al. *Acta Endocrinol [Suppl]* (Kbh)

88(217):76-95, 1978

ADRENAL CORTEX HORMONES, urine/
CHROMATOGRAPHY, LIQUID, instrumentation/
*CHROMATOGRAPHY, LIQUID, methods/
COMPUTERS/ EVALUATION STUDIES/
GLUCURONIDASE/ HUMAN/ HYDROLYSIS/
SPECTROPHOTOMETRY/ *STERIODS, urine/
17-KETOSTEROIDS, urine

The multicuvette general analytical system for combined multi-column chromatography and high capacity single substance and group analyses and its application to steroid analyses. Vestergaard P. *Acta Endocrinol [Suppl]* (Kbh)

88(217):229-45, 1978

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ COMPUTERS/ HUMAN/ *STERIODS,
analysis

STANDARDS

Quality control measures in the assay of common urinary steroids as applied to a multi-column chromatographic procedure. Vestergaard P. *Acta Endocrinol [Suppl]* (Kbh)

88(217):148-56, 1978

*CHROMATOGRAPHY, LIQUID, standards/
COMPARATIVE STUDY/ HUMAN/ METHODS/
QUALITY CONTROL/ *STERIODS, urine

CHROMATOGRAPHY, PAPER

The multicuvette general analytical system for combined multi-column chromatography and high capacity single substance and group analyses and its application to steroid analyses. Vestergaard P. *Acta Endocrinol [Suppl]* (Kbh)

88(217):229-45, 1978

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, LIQUID, methods/
CHROMATOGRAPHY, PAPER/ COMPARATIVE
STUDY/ COMPUTERS/ HUMAN/ *STERIODS,
analysis

Direct radioimmunoassay of plasma aldosterone in normal subjects. Lijnen P, et al. *Clin Chim Acta* 84(3):305-14, 15 Mar 78

ADULT/ AGE FACTORS/ AGED/
*ALDOSTERONE, blood/ CHROMATOGRAPHY,
PAPER/ FEMALE/ HUMAN/ MALE/ METHODS/
MIDDLE AGE/ RADIOIMMUNOASSAY/ RENIN,
blood/ SODIUM, pharmacodynamics

METHODS

[Chromatoelectrophoresis of hormones labeled with radioisotopes] Jirkalová V, et al.

Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 19(5):657-65, 1976
(Eng. Abstr.) (Cze)

*CHROMATOGRAPHY, PAPER, methods/
ENGLISH ABSTRACT/ FEMALE/ FSH, analysis/
GONADOTROPINS, CHORIONIC, analysis/
*GONADOTROPINS, PITUITARY, analysis/
HUMAN/ LH, analysis/ RADIOISOTOPES

METHOD SECTION

DIAGNOSIS,

COMPARATIVE STUDY

The specificity of multi-column liquid chromatography of neutral urinary steroids as evaluated by comparison with parallel gas chromatography and mass spectrometry. Sayegh JF, et al. *Acta Endocrinol [Suppl] (Kbh)* 88(217):132-47, 1978
**CHROMATOGRAPHY, GAS/
 *CHROMATOGRAPHY, LIQUID/ COMPARATIVE STUDY/ EVALUATION STUDIES/ HUMAN/ METHODS/ SPECTRUM ANALYSIS, MASS/ *STERIODS, urine/ TETRAHYDROCORTISOL/ TETRAHYDROCORTISONE**

Quality control measures in the assay of common urinary steroids as applied to a multi-column chromatographic procedure. Vestergaard P. *Acta Endocrinol [Suppl] (Kbh)* 88(217):148-56, 1978

***CHROMATOGRAPHY, LIQUID, standards/ COMPARATIVE STUDY/ HUMAN/ METHODS/ QUALITY CONTROL/ *STERIODS, urine**

The multicuvette general analytical system for combined multi-column chromatography and high capacity single substance and group analyses and its application to steroid analyses. Vestergaard P. *Acta Endocrinol [Suppl] (Kbh)* 88(217):229-45, 1978

AUTOANALYSIS/ CHROMATOGRAPHY, GAS/ *CHROMATOGRAPHY, LIQUID, methods/ CHROMATOGRAPHY, PAPER/ COMPARATIVE STUDY/ COMPUTERS/ HUMAN/ *STERIODS, analysis

A modification of the Cortipac procedure for the estimation of urine free cortisol. Wiener K, et al.

Ann Clin Biochem 15(2):115-6, Mar 78
ADRENAL CORTEX HORMONES, urine/ COMPARATIVE STUDY/ CUSHING'S SYNDROME, diagnosis/ HUMAN/ *HYDROCORTISONE, urine/ METHODS/ REAGENT KITS, DIAGNOSTIC/ 17-KETOSTEROIDS, urine

The hCG-beta subunit radioimmunoassay in nontrophoblastic gynecologic tumors. Rutanen EM, et al. *Cancer* 41(2):692-6, Feb 78

ADULT/ ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ *GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, immunology/ *GYNECOLOGIC NEOPLASMS, blood/ GYNECOLOGIC NEOPLASMS, therapy/ *HORMONES, ECTOPIC, blood/ HUMAN/ LH, blood/ LH, immunology/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods

Comparison of double- and single-isotope enzymatic derivative methods for measuring catecholamines in human plasma. Evans MI, et al. *Clin Chem* 24(4):567-70, Apr 78
ADULT/ CARBON RADIOISOTOPES, diagnostic use/ *CATECHOLAMINES, blood/ COMPARATIVE STUDY/ DOPAMINE, blood/ EPINEPHRINE, blood/ EVALUATION STUDIES/ HUMAN/ METHODS/ MIDDLE AGE/ NOREPINEPHRINE, blood/ TRITIUM, diagnostic use/ U.S. GOV'T SUPPORTED, N.I.H./ U.S. GOV'T SUPPORTED, NON-N.I.H.

Serum estradiol-17 beta as determined by mass fragmentography and by radioimmunoassay. Zamecnik J, et al. *Clin Chem* 24(4):627-30, Apr 78
COMPARATIVE STUDY/ *ESTRADIOL, blood/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY/ METHODS/ RADIOIMMUNOASSAY

[Comparative study of bone mineral densities in the human skeleton] Eschberger J, et al. *Acta Med Austriaca* 4(4-9):138-40, 1977 (Eng. Abstr.) (Ger)
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *BONE AND BONES, metabolism/ CLIMACTERIC/ COMPARATIVE STUDY/ DENSITOMETRY, methods/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, metabolism/ HUMAN/ HUMERUS, metabolism/ ILIUM, metabolism/ MALE/ MIDDLE AGE/ *MINERALS, metabolism

[Determination of free, bioavailable plasma steroid hormones; clinical application] Bartmann E, et al.
Verh Dtsch Ges Inn Med 83:1346-9, 17-21 Apr 77 (Ger)
ADULT/ CHROMATOGRAPHY, methods/

COMPARATIVE STUDY/ FEMALE/ *HORMONES, blood/ HUMAN/ HYDROCORTISONE, blood/ MALE/ METHODS/ ULTRACENTRIFUGATION

[Comparative bone densitometry studies (photon absorption technic) with roentgenologic findings in patients with renal osteopathy] Samizadeh A, et al.

Verh Dtsch Ges Inn Med 83:1294-6, 17-21 Apr 77 (Ger)
***BONE AND BONES, radiography/ BONE DISEASES, etiology/ *BONE DISEASES, pathology/ BONE DISEASES, radiography/ COMPARATIVE STUDY/ DENSITOMETRY, methods/ HUMAN/ *ILIUM, pathology/ *KIDNEY FAILURE, CHRONIC, complications**

DENSITOMETRY

METHODS

Density of goblet cells on normal adult nasal turbinates.

Mogensen C, et al. *Anat Anz* 142(4):322-30, 1977
AGE FACTORS/ AGED/ DENSITOMETRY, methods/ *EPITHELIUM, cytology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NASAL MUCOSA, cytology/ NASAL SEPTUM, cytology/ *TURBINATES, cytology

[Comparative study of bone mineral densities in the human skeleton] Eschberger J, et al. *Acta Med Austriaca* 4(4-9):138-40, 1977 (Eng. Abstr.) (Ger)

ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ *BONE AND BONES, metabolism/ CLIMACTERIC/ COMPARATIVE STUDY/ DENSITOMETRY, methods/ ENGLISH ABSTRACT/ FEMALE/ FEMUR, metabolism/ HUMAN/ HUMERUS, metabolism/ ILIUM, metabolism/ MALE/ MIDDLE AGE/ *MINERALS, metabolism

[Value of photon-absorption densitometry for the assessment of bone density] Haber P, et al. *Acta Med Austriaca* 4(4-9):140-3, 1977 (Eng. Abstr.) (Ger)

AGED/ *BONE AND BONES, metabolism/ *DENSITOMETRY, methods/ ELEMENTARY PARTICLES/ ENGLISH ABSTRACT/ FEMALE/ FLUORIDES, therapeutic use/ HUMAN/ MIDDLE AGE/ MINERALS, metabolism/ NUCLEAR PHYSICS/ OSTEOPOROSIS, drug therapy/ TIME FACTORS

[Estimation of mineral concentration in bone samples by backscattering of beta-rays (author's transl)] Meissner J, et al. *Biomed Tech (Berlin)* 23(3):34-44, Mar 78 (Eng. Abstr.) (Ger)

***BONE AND BONES, analysis/ DENSITOMETRY, methods/ ELECTRONS/ ENGLISH ABSTRACT/ HUMAN/ *MINERALS, analysis**

[Comparative bone densitometry studies (photon absorption technic) with roentgenologic findings in patients with renal osteopathy] Samizadeh A, et al.

Verh Dtsch Ges Inn Med 83:1294-6, 17-21 Apr 77 (Ger)
***BONE AND BONES, radiography/ BONE DISEASES, etiology/ *BONE DISEASES, pathology/ BONE DISEASES, radiography/ COMPARATIVE STUDY/ DENSITOMETRY, methods/ HUMAN/ *ILIUM, pathology/ *KIDNEY FAILURE, CHRONIC, complications**

DIAGNOSIS, DIFFERENTIAL

The free triiodothyronine (T3) index. Sawin CT, et al.

Ann Intern Med 88(4):474-7, Apr 78
ADULT/ AGED/ CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, diagnosis/ MALE/ METHODS/ MIDDLE AGE/ PREGNANCY/ THYROXINE, blood/ THYROXINE, physiology/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, physiology/ U.S. GOV'T SUPPORTED, N.I.H./ U.S. GOV'T SUPPORTED, NON-N.I.H.

DIALYSIS

DIALYSIS

Free thyroxine in serum as estimated by polyacrylamide gel filtration. McDonald LJ, et al. *Clin Chem* 24(4):652-6, Apr 78

ACRYLAMIDES/ CHROMATOGRAPHY, GEL/ DIALYSIS/ EVALUATION STUDIES/ HUMAN/ METHODS/ *THYROXINE, blood

METHODS

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INSTRUMENTATION

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MASS FRAGMENTOGRAPHY

Serum estradiol-17 beta as determined by mass fragmentography and by radioimmunoassay. Zamecnik J, et al. *Clin Chem* 24(4):627-30, Apr 78

COMPARATIVE STUDY/ *ESTRADIOL, blood/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY/ METHODS/ RADIOIMMUNOASSAY

METHOD SECTION

POLAROGRAPHY

METHODS

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PROTEIN BINDING

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ANIMAL/ CELL NUCLEUS, metabolism/ CELLULOSE/ CHROMATOGRAPHY, AFFINITY, methods/ DNA/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HEAT/ IN VITRO/ LIVER, metabolism/ MALE/ PROTEIN BINDING/ RATS/ *RECEPTORS, GLUCOCORTICOID, isolation & purification/ RECEPTORS, GLUCOCORTICOID, metabolism/ *RECEPTORS, STEROID, isolation & purification/ TRIAMCINOLONE, metabolism

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ADULT/ ANTIBODIES/ CHROMATOGRAPHY, GEL/ *CORTICOSTERONE, blood/ HUMAN/ PROTEIN BINDING/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

Immune and non-immune T4 radioassays utilizing albumin magnetic microparticles. Ithakissios DS, et al. *Clin Chim Acta* 84(1-2):69-84, 1 Mar 78

BLOOD PROTEINS, metabolism/ HUMAN/ IODINE/ RADIOISOTOPES, diagnostic use/ MAGNETICS/ MICROSPHERES/ NORMAL VALUES/ PROTEIN BINDING/ PROTEIN DENATURATION/ RADIOIMMUNOASSAY, methods/ RADIOLIGAND ASSAY, methods/ SERUM ALBUMIN, metabolism/ *SERUM ALBUMIN, BOVINE, diagnostic use/ *THYROXINE, blood

RADIOIMMUNOASSAY

Serum estradiol-17 beta as determined by mass fragmentography and by radioimmunoassay. Zamecnik J, et al. *Clin Chem* 24(4):627-30, Apr 78

COMPARATIVE STUDY/ *ESTRADIOL, blood/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY/ METHODS/ RADIOIMMUNOASSAY

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METHOD SECTION

RADIOIMMUNOAS

methods/ DEXTRAN, analogs & derivatives/
FEMALE/ HUMAN/ MALE/
RADIOIMMUNOASSAY/ *TESTOSTERONE, blood/
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RADIOIMMUNOASSAY/ TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, immunology/
TESTOSTERONE, urine/ TIME FACTORS

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ADULT/ ANTIBODIES/ CHROMATOGRAPHY, GEL/ *CORTICOSTERONE, blood/ HUMAN/ PROTEIN BINDING/ RADIOIMMUNOASSAY, methods/ TRANSCORTIN

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*ANTIGEN-ANTIBODY COMPLEX/ BINDING
SITES, ANTIBODY/ CARBOHYDRIDES,
pharmacodynamics/ CORTICOTROPIN, blood/
*CORTICOTROPIN, immunology/ HUMAN/
IMMUNIZATION/ METHODS/ RABBITS,
immunology/ RADIOIMMUNOASSAY, methods/
RATS/ STAINS AND STAINING

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*DIABETES MELLITUS, blood/ ENGLISH
ABSTRACT/ HUMAN/ *INSULIN, blood/
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[Radioimmunologic testosterone determination: technic and
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administration & dosage/ ENGLISH ABSTRACT/
HORSES/ LIBIDO, drug effects/ MALE/
RADIOIMMUNOASSAY, methods/
*RADIOIMMUNOASSAY, veterinary/
*TESTOSTERONE, analysis

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*IODINE RADIOISOTOPES, diagnostic use/ MALE/
PREGNANCY/ *RADIOIMMUNOASSAY, methods/
*REAGENT KITS, DIAGNOSTIC

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PITUITARY, blood/ FEMALE/ HUMAN/ MALE/
*PROLACTIN, blood/ *RADIOIMMUNOASSAY,
methods/ *REAGENT KITS, DIAGNOSTIC

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FEMALE/ HUMAN/ MALE/ *PROLACTIN, blood/
*RADIOIMMUNOASSAY, methods/ *REAGENT
KITS, DIAGNOSTIC

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*RADIOIMMUNOASSAY, methods/ *REAGENT
KITS, DIAGNOSTIC/ THYROID DISEASES, blood/
*THYROXINE, blood

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'Eiken'] Nakagawa K, et al. *Horumon To Rinsho* 26(2):193-5,
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DISEASES, blood/ *TRIIODOTHYRONINE, blood

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methods/ *REAGENT KITS, DIAGNOSTIC/
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PREGNANCY/ *PROSTAGLANDINS F, urine/
*RADIOIMMUNOASSAY, methods/ *REAGENT
KITS, DIAGNOSTIC

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ANIMAL/ DOGS/ FEMALE/ HUMAN/
*OXYTOCIN, blood/ PREGNANCY/
*RADIOIMMUNOASSAY, methods

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al. *Horumon To Rinsho* 26(2):205-8, Feb 78 (Jpn)

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*REAGENT KITS, DIAGNOSTIC/ THYROID
DISEASES, blood/ *THYROXINE, blood

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ADENOCARCINOMA, blood/ ADOLESCENCE/
ADULT/ AGED/ ANTIGENS/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ IMMUNE
SERUMS/ ISOTOPE LABELING/ MALE/ MIDDLE
AGE/ *RADIOIMMUNOASSAY, methods/
*THYROGLOBULIN, blood/ THYROGLOBULIN,
immunology/ THYROID DISEASES, blood/
THYROID NEOPLASMS, blood/ THYROTROPIN,
blood

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transl)] Kokubu T, et al. *Nippon Naibunpi Gakkai Zasshi*
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*DEHYDROEPIANDROSTERONE, analogs &
derivatives/ *DEHYDROEPIANDROSTERONE,
blood/ ENGLISH ABSTRACT/ HUMAN/
*RADIOIMMUNOASSAY, methods

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ANTIBODY SPECIFICITY/ ANTIGENS/ ENGLISH
ABSTRACT/ FEMALE/ HUMAN/ IMMUNE
SERUMS/ MALE/ PREGNANCY/
PREGNANEDIOL, immunology/
*PREGNANEDIOL, urine/ RABBITS, immunology/
*RADIOIMMUNOASSAY, methods/ SERUM
ALBUMIN, BOVINE

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(author's transl)] Ogawa S, et al.
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LABOR STAGE, FIRST/ LABOR STAGE, THIRD/
MALE/ NORMAL VALUES/ *OXYTOCIN, blood/
PREGNANCY TRIMESTER, THIRD/
PREGNANCY/ PUERPERIUM/
*RADIOIMMUNOASSAY, methods

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ANGIOTENSIN I, isolation & purification/
COMPUTERS/ ENGLISH ABSTRACT/ FREE
RADICALS/ HUMAN/ HYPERTENSION, RENAL,
blood/ *RADIOIMMUNOASSAY, methods/ *RENIN,
blood/ SCINTILLATION COUNTERS

STANDARDS

On standardizing the determination of the plasma renin
activity. Vader HL, et al. *Clin Chim Acta* 84(1-2):93-7, 1
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ANGIOTENSIN I, blood/ HUMAN/
RADIOIMMUNOASSAY, methods/
RADIOIMMUNOASSAY, standards/ *RENIN, blood

VETERINARY

[Radioimmunologic testosterone determination: technic and
diagnostic use] Thun R, et al. *Schweiz Arch Tierheilkd*
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ANIMAL/ CASTRATION/ CHLORMADINONE,
administration & dosage/ ENGLISH ABSTRACT/
HORSES/ LIBIDO, drug effects/ MALE/
RADIOIMMUNOASSAY, methods/
*RADIOIMMUNOASSAY, veterinary/
*TESTOSTERONE, analysis

RADIOLIGAND ASSAY

METHODS

Immune and non-immune T4 radioassays utilizing albumin
magnetic microparticles. Ithakissios DS, et al.
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BLOOD PROTEINS, metabolism/ HUMAN/ IODINE
RADIOISOTOPES, diagnostic use/ MAGNETICS/
MICROSOPHERES/ NORMAL VALUES/ PROTEIN
BINDING/ PROTEIN DENATURATION/
RADIOIMMUNOASSAY, methods/ RADIOLIGAND

METHOD SECTION

ULTRAFILTRATIO

ASSAY, methods/ SERUM ALBUMIN, metabolism/
*SERUM ALBUMIN, BOVINE, diagnostic use/
*THYROXINE, blood

Studies of thyroid gland function tests with Thyrotest-3,4]
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FEMALE/ HUMAN/ PREGNANCY/
*RADIOLIGAND ASSAY, methods/ *REAGENT
KITS, DIAGNOSTIC/ THYROID DISEASES, blood/
*THYROXINE, blood/ *TRIIODOTHYRONINE,
blood

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Evaluation of an aqueous fluorometric continuous-flow
method for measurement of total urinary estrogens.

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AUTOANALYSIS/ *ESTROGENS, urine/
EVALUATION STUDIES/ HUMAN/ METHODS/
SPECTROMETRY, FLUORESCENCE

SPECTROPHOTOMETRY

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CHROMATOGRAPHY, LIQUID, instrumentation/
*CHROMATOGRAPHY, LIQUID, methods/
COMPUTERS/ EVALUATION STUDIES/
GLUCURONIDASE/ HUMAN/ HYDROLYSIS/
SPECTROPHOTOMETRY/ *STERIODS, urine/
17-KETOSTEROIDS, urine

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*CHROMATOGRAPHY, LIQUID, methods/
FEMALE/ HUMAN/ HYDROLYSIS/ MALE/
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ANALYSIS, MASS/ *17-KETOSTEROIDS, blood

The specificity of multi-column liquid chromatography of
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STUDY/ EVALUATION STUDIES/ HUMAN/
METHODS/ SPECTRUM ANALYSIS, MASS/
*STERIODS, urine/ TETRAHYDROCORTISOL/
TETRAHYDROCORTISONE

Studies related to the metabolism of anabolic steroids in the
horse: a gas chromatographic mass spectrometric method
to confirm the administration of 19-nortestosterone or its
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CHROMATOGRAPHY, GAS/ *ESTRANES, urine/
*HORSES, metabolism/ METHODS/ NANDROLONE,
analogs & derivatives/ *NANDROLONE, metabolism/
NANDROLONE, urine/ SPECTRUM ANALYSIS,
MASS

Analysis of metabolic profiles of prostaglandins in urine using
a lipophilic anion exchange. Almé B, et al.

Prostaglandins 15(2):199-217, Feb 78
ANIMAL/ CHROMATOGRAPHY, GAS/
*CHROMATOGRAPHY, ION EXCHANGE, methods/
CYNOMOLGUS MONKEYS/ MONKEYS/
PROSTAGLANDINS F, urine/
*PROSTAGLANDINS, urine/ SPECTRUM
ANALYSIS, MASS

A simple extraction procedure for prostaglandins in human
seminal plasma with specific detection by selected ion
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CHROMATOGRAPHY, GAS/ HUMAN/ IONS/

MALE/ *PROSTAGLANDINS, isolation &
purification/ *SEMEN, analysis/ SPECTRUM
ANALYSIS, MASS/ *ULTRAFILTRATION, methods

ULTRACENTRIFUGATION

[Determination of free, bioavailable plasma steroid hormones;
clinical application] Bartmann E, et al.

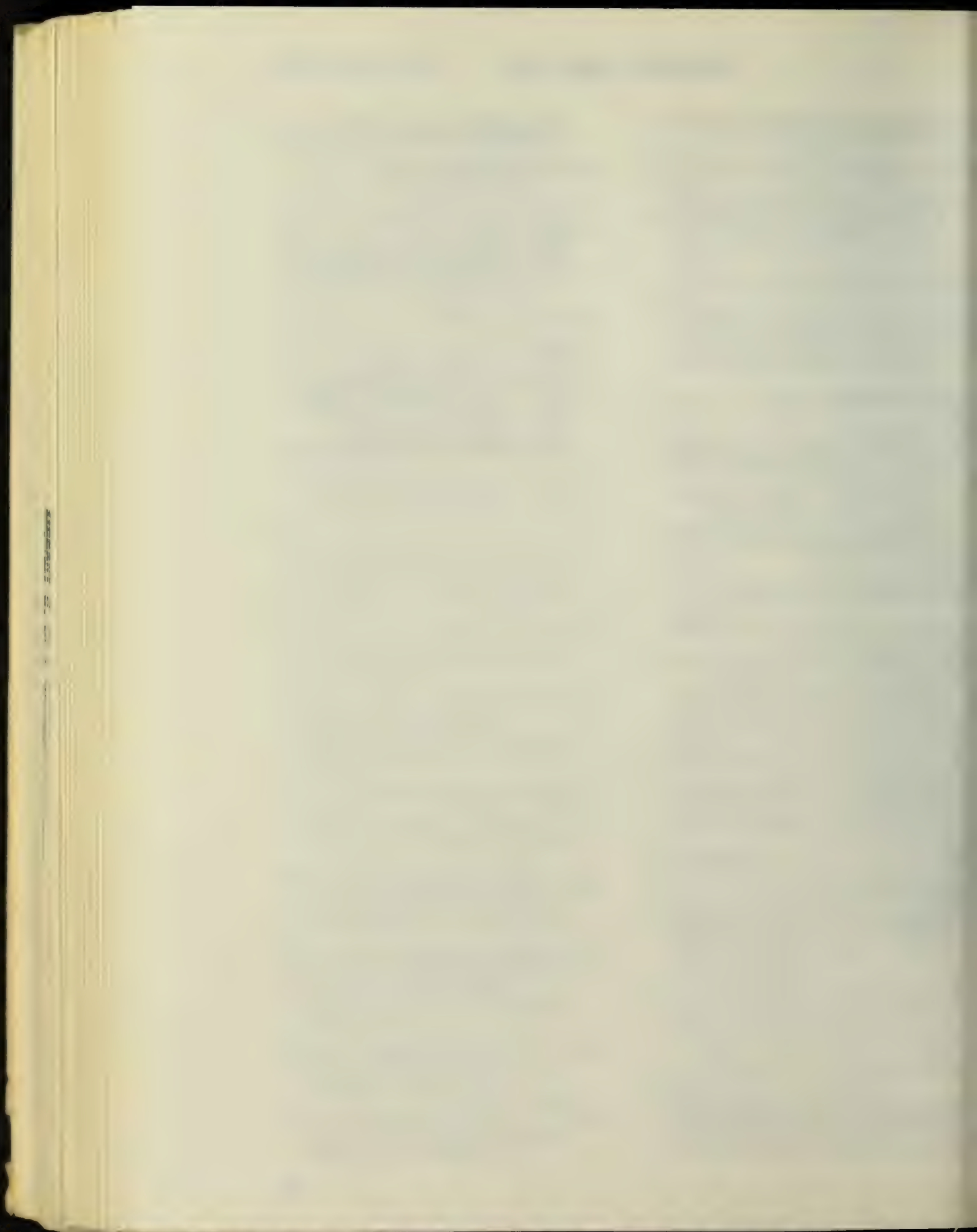
Verh Dtsch Ges Inn Med 83:1346-9, 17-21 Apr 77 (Ger)
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COMPARATIVE STUDY/ FEMALE/ *HORMONES,
blood/ HUMAN/ HYDROCORTISONE, blood/
MALE/ METHODS/ ULTRACENTRIFUGATION

ULTRAFILTRATION

METHODS

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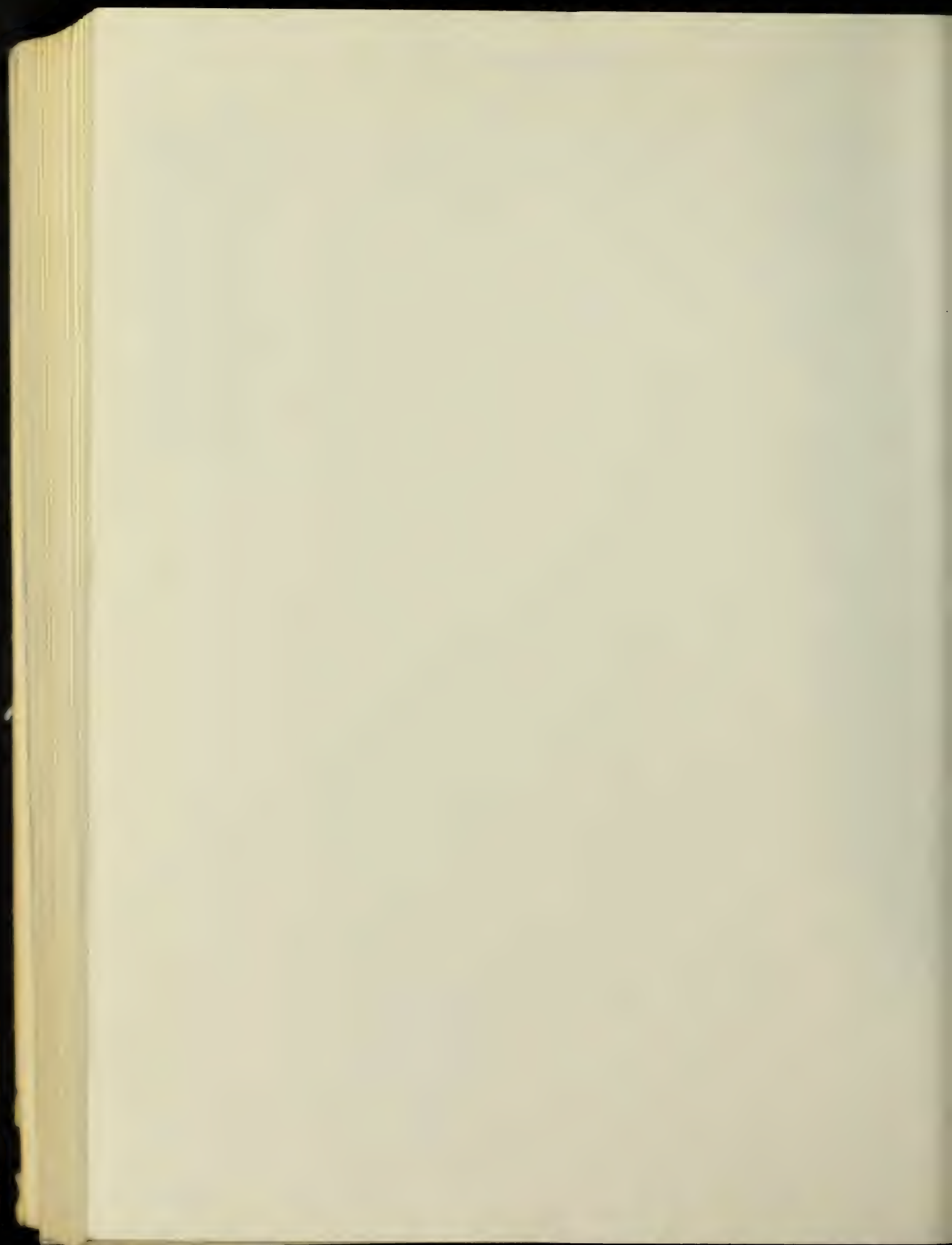
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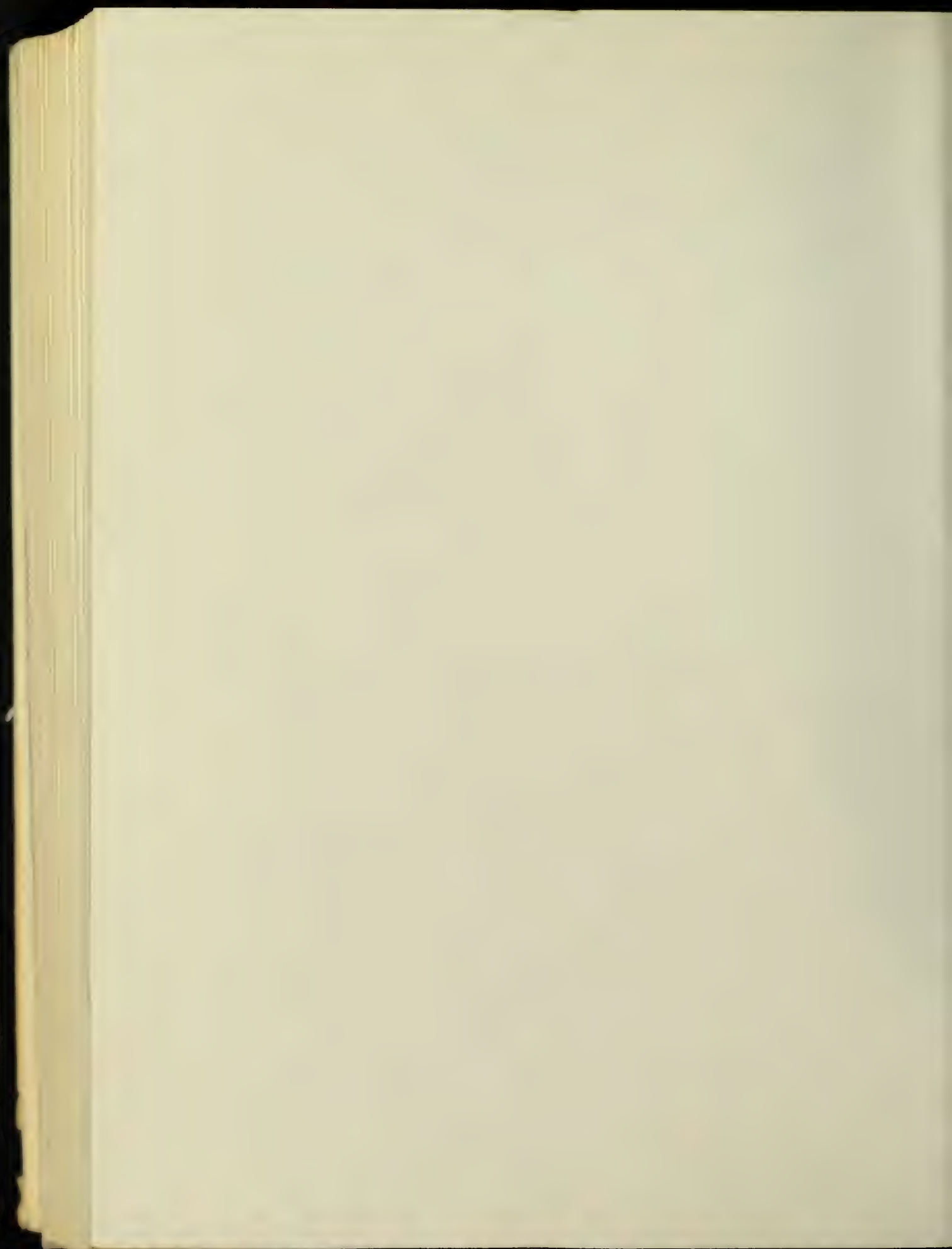
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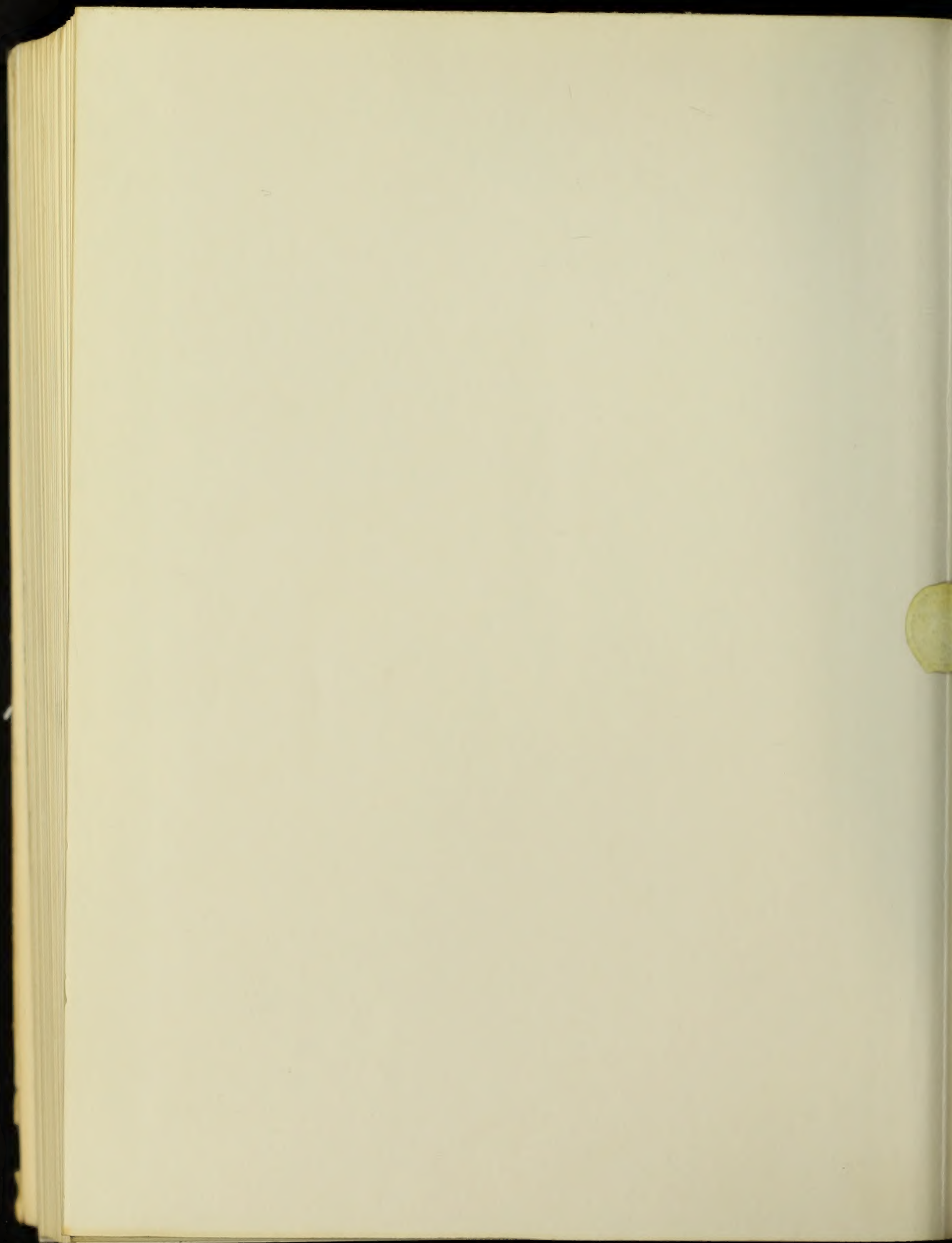
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